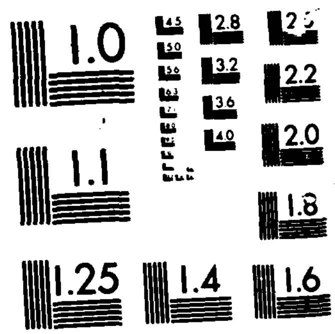
AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 1/8

UNCLASSIFIED F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART

DESIGN CALCULATIONS

81' MLW STRUCTURE

COAST AIR COMBAT MANEUVERING RANGE

AD-A165 698

86 3 18 023

DISCLAIMER NOTICE

Unclassified
SECURITY CLASSIFICATION O

1a. REPORT SECURITY CLAS
Unclassified

AD-A165 698

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2a. SECURITY CLASSIFICATION AUTHORITY

3. DISTRIBUTION AVAILABILITY OF REP.
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2b. DECLASSIFICATION/DOWNGRADING SCHEDULE

4. PERFORMING ORGANIZATION REPORT NUMBER
Report No. 27-771-94

5. MONITORING ORGANIZATION REPORT #
FPO 7613

6a. NAME OF PERFORM. ORG. 6b. OFFICE SYM
Crest Engineering, Inc.

7a. NAME OF MONITORING ORGANIZATION
Ocean Engineering
& Construction
Project Office
CHESNAVFACENGCOM

6c. ADDRESS (City, State, and Zip Code)
Tulsa, OK

7b. ADDRESS (City, State, and Zip)
BLDG. 212, Washington Navy Yard
Washington, D.C. 20374-2121

8a. NAME OF FUNDING ORG. 8b. OFFICE SYM

9. PROCUREMENT INSTRUMENT INDENT #
Contract No. N62477-76-C-0179
Modification No. P0001

8c. ADDRESS (City, State & Zip)

10. SOURCE OF FUNDING NUMBERS

PROGRAM ELEMENT #	PROJECT #	TASK #	WORK UNIT ACCESS #

11. TITLE (Including Security Classification)
Design Calculations 81'MLW Structure East Coast Air Combat Maneuvering Range Offshore Kitty Hawk, North Carolina

12. PERSONAL AUTHOR(S)

13a. TYPE OF REPORT

13b. TIME COVERED FROM TO

14. DATE OF REP. (YYMMDD) 76-09

15. PAGES

16. SUPPLEMENTARY NOTATION

17. COSATI CODES		
FIELD	GROUP	SUB-GROUP

18. SUBJECT TERMS (Continue on reverse if nec.)
Air Combat Maneuvering Range, Towers, Ocean construction

19. ABSTRACT (Continue on reverse if necessary & identify by block number)
This purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U.S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 1 at Site 1, resting in (Con't)

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT
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21. ABSTRACT SECURITY CLASSIFICATION

22a. NAME OF RESPONSIBLE INDIVIDUAL
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22b. TELEPHONE
202-433-3881

22c. OFFICE SYMBOL

DD FORM 1473, 84MAR

SECURITY CLASSIFICATION OF THIS PAGE

BLOCK 19 (Con't)

approximately 81 feet of water.

This report (No. 27-771-94) is part of the documentation required by U.S. Government Contract No. N62477-76-C-0179, Modification No. P0001, let by the Naval Facilities Engineering Command, Department of the Navy, Chesapeake Division with Crest Engineering, Inc., Tulsa, Oklahoma.

100% Subm.
Issue

DESIGN CALCULATIONS ~~Final~~
81' MLW PLATFORM

EAST COAST AIR COMBAT MANEUVERING RANGE
OFFSHORE KITTY HAWK, NORTH CAROLINA
CONTRACT NO. N62477-76-C-0179
MODIFICATION NO. P0001

Report No. 27-771-94

Prepared for

NAVY FACILITIES ENGINEERING COMMAND
DEPARTMENT OF THE NAVY
CHESAPEAKE DIVISION

By

CREST ENGINEERING, INC.
TULSA, OKLAHOMA

September 1976

TABLE OF CONTENTS

SECTION 1.0

INTRODUCTION

1.1 PURPOSE OF REPORT

The purpose of this report is to provide a document insuring the structural integrity of one of the four marine structures of the U. S. Navy East Coast Air Combat Maneuvering Range, offshore of Kitty Hawk, North Carolina. This structure is identified as Structure 1 at Site 1, resting in approximately 81 feet of water.

This report (No. 27-771-94) is part of the documentation required by U.S. Government Contract No. N62477-76-C-0179, Modification No. P0001, let by the Naval Facilities Engineering Command, Department of the Navy, Chesapeake Division with Crest Engineering, Inc., Tulsa, Oklahoma.

1.2 DESCRIPTION OF STRUCTURE

1.2.A Purpose of Structure

This marine structure, at Site 1, is part of a series of structures comprising the U.S. Navy East Coast Air Combat Maneuvering Range. Their purpose is to provide a platform to support electronic instrumentation necessary for the proper functioning of the East Coast Air Combat Maneuvering Range.

The equipment on this structure includes:

1. Navigation and aircraft warning lights attached to the top of each of the three columns.
2. A signal horn attached to the underside of the Equipment Deck extending toward the sea.
3. A receiver-transmitter assembly attached to the Equipment Deck in the vicinity of the southwest corner.
4. A solar panel assembly attached to the cantilevered deck on the south side of the Equipment Deck.
5. A battery assembly fastened just north of the solar panel assembly.
6. One air-to-ground antenna attached in the center of the Upper Deck.

7. One ground-to-ground cylindrical antenna mounted on a vertical guide attached to the southwest column. The antenna is located at Elevation (+) 15'-0".

8. A hand-operated, two-ton marine winch located on the Equipment Deck in the Southeast corner.

1.2.B Location

The site for the East Coast Air Combat Maneuvering Range is approximately 26 miles offshore of Kitty Hawk, North Carolina.

Structure 1 will be erected within a half of a mile of coordinates 13, 051, 860 North by 1, 561,523 West (N35^{o} 56' 59", W75^{o} 15' 59") in 81 feet of water.

The structure will be oriented so that the side of the platform with the cantilevered solar panel deck will face due South. This places the boat landing on the northeast side of the structure, and locates the column with the ground-to-ground antenna nearest to shore.

1.2.C Structural Description

The marine structure consists of a three-pile jacket (template) with equilaterally spaced legs through which steel piles are driven into the seabed. The jacket is then secured to the piling by welding shim plates in the annulus between the jacket leg and piling at the top of the jacket legs. A superstructure consisting of an equipment deck and an upper deck is then attached to the piling above the top of the jacket. This tripod structure has the following features:

1. Upper Deck elevation is at (+) 75.0 feet above Mean Low Water to provide an adequate envelope for the hoist on the Equipment Deck.

2. Equipment Deck elevation is at (+) 60.0 feet above MLW to provide an air gap of 8.0 feet between the deck and the maximum crest of the 50 year storm.

3. To avoid any shadowing of the cells, a cantilevered deck is provided on the south side of the Equipment Deck to support the Solar Panel Assembly.

4. The only diagonal bracing framing the superstructure is between El. (+) 60.0 feet and El. (+) 45.0 feet.

5. The equilateral pile spacing at the pile cut-off El. (+) 16.5 feet is 29.0 feet from centerline to centerline.

6. The true jacket batter is 6 to 1 for each of the three legs.

7. Horizontal bracings for the jacket are located at El. (+) 12.0, El. (-) 13.0, El. (-) 47.0, and El. (-) 81.0. In addition to the perimeter bracings, secondary horizontal bracings connecting the mid-points of the perimeter bracings are located at each of the above elevations. Diagonal bracing connect the levels.

8. A boat landing is provided on the northeast side of the structure from El. (+) 9.0 to El. (-) 3.0.

9. Boat fenders are attached to the two jacket legs on the boat landing side of the structure to protect the structure from sustaining damage from large impacts of approaching boats. The fenders consist of rubber tires installed around a vertical concrete filled pipe from El. (+) 12.0 to El. (-) 7.5.

1.3 DESIGN CRITERIA

1.3.A Purpose of Structure

1. Wave Data - 50 year storm

MLW Depth	81.0 ft.
Storm Wave Height	60.3 ft.
Storm Wave Period	13.6 sec.
Maximum Storm Tide	4.0 ft.
Maximum Astronomical Tide	4.5 ft.
Extreme Surface Current	4.3 ft./sec.
Mudline Current	0.8 ft./sec.

2. Wind Data

Maximum Gust	174.0 mph
1 Minute Wind	145.0 mph
1 Hour Wind	114.0 mph

The approach of the storm wind and wave can be from any direction.

1.3.B Foundation Criteria

1. The basis for the foundation design is a McClelland report to Cubic Corporation entitled "Foundation Investigation East Coast ACMR Ocean Structures, Volume I". The soil information to be used in this analysis is one boring at Site 1 in the aforementioned report.

2. Due to the nature of the sea bottom and sea bottom currents, scouring of 5 feet below the mudline will be used in the piling design to develop the theorectical soil resistance to laterally applied loads.

1.3.C Live Loads

The design live loads will be:

Equipment Deck	150 psf
Top Deck	100 psf

The loads will be distributed uniformly over the entire deck areas.

1.3.D Material

All structural shapes or fabricated tubular goods are to be ASTM A-36 or equal except for the material used for the structure legs at the joint cans which is to be ASTM A-633, Grade A.

1.3.E Corrosion Protection

1. All portions of the platform above elevation (-) 4.0 feet will be painted.

2. All main structural members located within the splash zone will have an extra 1/2" of sacrificial steel added to their wall thickness. This can be in the form of extra wall thickness or a 1/2" steel plate wrap.

3. The portion of the platform below elevation (-) 4.0 feet will be protected by cathodic protection. This will be provided by sacrificial anodes having a theoretically expected life of twenty years.

1.3.F Pile-Jacket Connection

The platform is analyzed as if the annulus between the jacket and the piling is not grouted. Shim plates will be provided at each horizontal bracing level. Jacket to pile connection is made by welding at elevation (+) 16.5 feet.

1.3.G Design Standards

The criteria employed for determination of structural acceptability are specified by the following documents:

1. American Petroleum Institute (API):

   RP 2A — Recommended Practice for Planning, Designing and Constructing Fixed Offshore Platforms; 7th Edition, January 1976.

   Spec. 2H — Carbon Manganese Steel for Offshore Platform Tubular Joints; 1st Edition, January 1974; Supplement 1, January 1975.

2. American Institute of Steel Construction (AISC):

   Specification for the Design, Fabrication and Erection of Structural Steel for Buildings; February 12, 1969.

3. American Society for Testing and Materials (ASTM):

A36-75 Structural Steel

A633-75 Normalized High-Strength Low-Alloy Structural Steel.

4. American Welding Society (AWS):

D1.1-75 Structural Welding Code. (Rev. 1-76)

1.4 DESIGN ASSUMPTIONS

1.4.A Environmental Criteria

1. <u>Wave Data</u>

(a) Wave Coefficients

$$C_D = 0.74 \qquad C_M = 1.34$$

These wave coefficients are the wave coefficients used to generate Dean's Stream Function wave grid profile for a 3.0 ft. diameter pile. It is assumed that these wave coefficients are applicable to all tubular shapes in this structure.

(b) Wave-Current Coupling

The pressures indicated by Dean's Stream Function wave grid profile include the coupling of the wave forces with the current forces.

2. <u>Wind Data</u>

The structure is designed for the one minute wind superimposed on the 50 year storm wave.

1.4.B Equipment Loads

All equipment loads are included in the area live load. This is a valid assumption because no piece of equipment has a density to produce a load greater than 150 psf.

1.4.C Marine Growth

1. A 1.0" marine growth allowance on the radius is included on all primary jacket members from (+) 0.0 ft. to the mudline.

2. The effective diameter for the drag area produced by the marine growth is:

$$Deff = (Dact + 2.0") \quad \left(\frac{1.02}{0.74}\right)$$

where 1.02 = C_d for medium barnacle fouling

0.74 = Assumed magnitude of Dean's C_d

1.5 DESIGN SUMMARY

1.5.A Environmental Forces:

Total wind and wave shear force (Maximum-Load Condition #1)	1,270 kips
Total overturning moment	102,454 ft.-kips

1.5.B Pile Axial Loads:

Maximum Compressive Load (Load Cond. #7 + Pile Weight below Mudline)	2,409 kips
Maximum Tensile Load (Load Cond. #8 + Live Load-Pile Weight below Mudline)	1,746 kips

1.5.C Structural Dimensions:

Piling

Outside Diameter	42 in.
Maximum Wall Thickness	2.00 in.
Minimum Wall Thickness	1.50 in.
Penetration Below Mudline	211 ft.

Jacket

Spacing at Mudline	57'-1 3/4"
Spacing at Work-Point Level	29.0 ft.
Height (Mudline to Work-Point)	97.5 ft.

Superstructure

Equipment Deck Area	556.0 $ft.^2$
Top Deck Area	364.0 $ft.^2$

1.5.D Structural Steel Weight

Item	Structure 1
Piling	772 kips
Superstructure	132 kips
Jacket	296 kips
Boat Landing	24 kips
Boat Fenders	14 kips
Anodes	11 kips
Total	1,249 kips

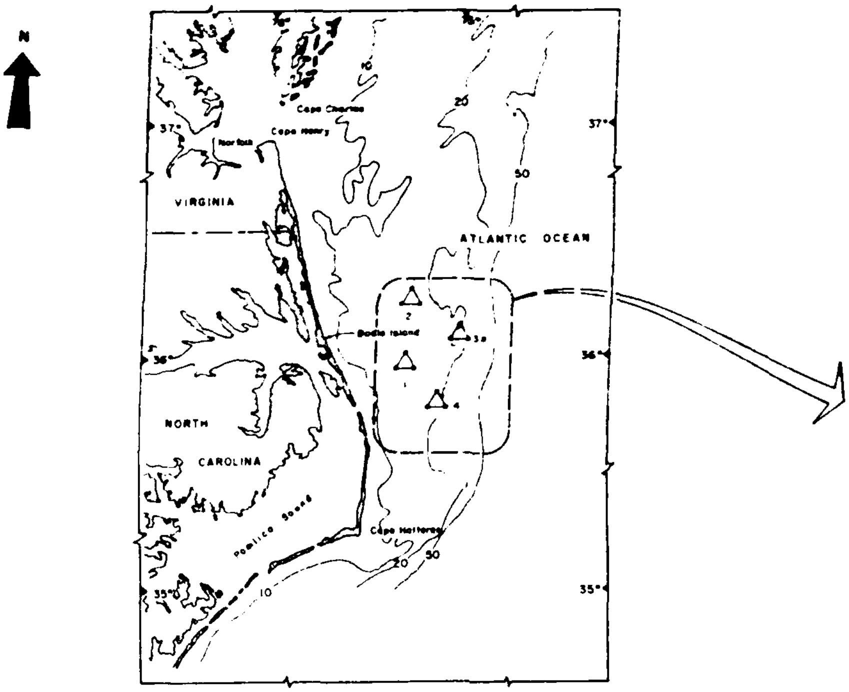
SECTION 2.0

STRUCTURAL DRAWINGS

2.1 INTRODUCTION

A few selected structural engineering drawings are included in this chapter for reference to the design calculations. The Introduction to each section in this report lists the appropriate drawings pertinent to that particular section. Reference then can be made to this section of the report for a reduced copy of the drawing.

The drawings comprising this section are as listed below:



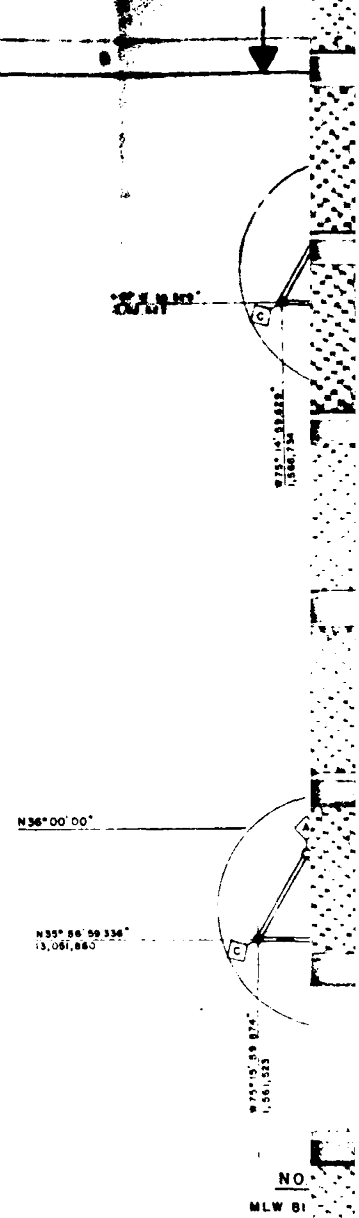
LEGEND

△ Structure location

— 20 — Water depth in fathoms

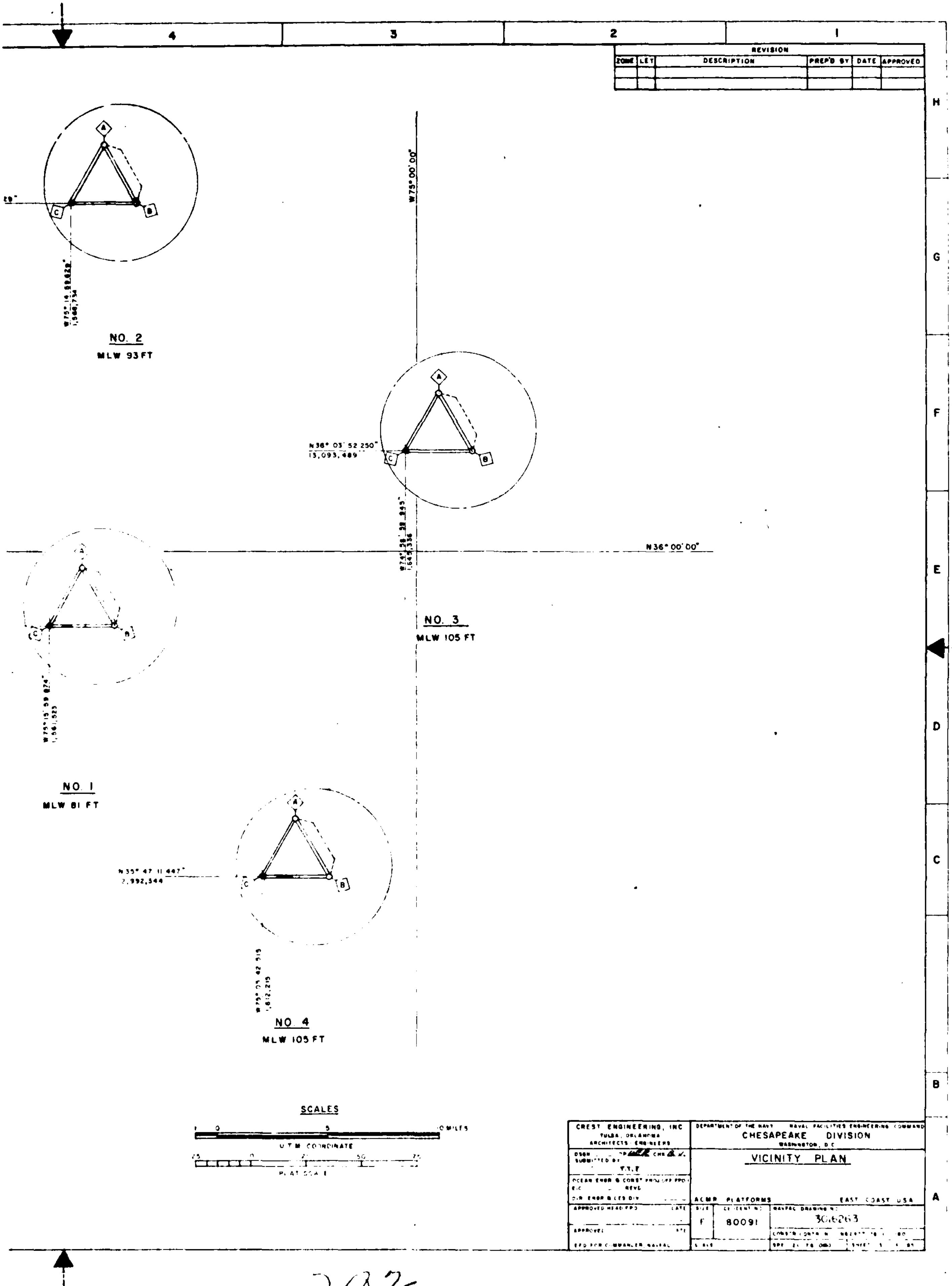
VICINITY MAP

0 5 10 20 30 miles

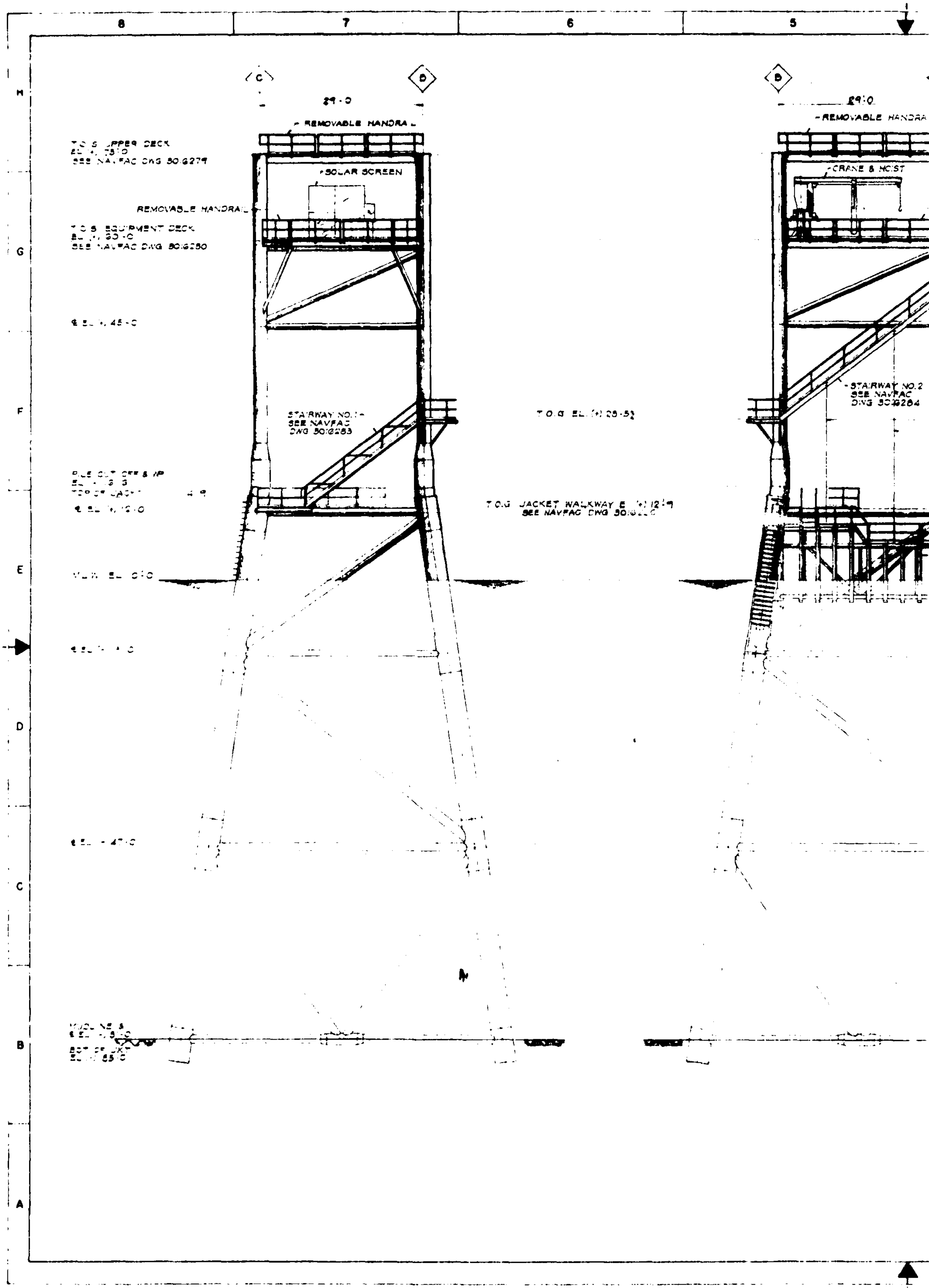


NOTE 1 THE LOCATIONS SHOWN ARE EXPRESSED IN LATITUDE AND LONGITUDE AND IN THE UNIVERSAL TRANSVERSE MERCATOR GRID SYSTEM (ZONE 18, CENTRAL MERIDIAN 75 DEGREES) THESE LOCATIONS WERE DETERMINED UTILIZING THE RAYDIST SURVEY SYSTEM BY OFFSHORE NAVIGATION, INC., OF HARAHAN, LOUISIANA UNDER CONTRACT TO McCLELLAND ENGINEERS OF NEW ORLEANS, LOUISIANA

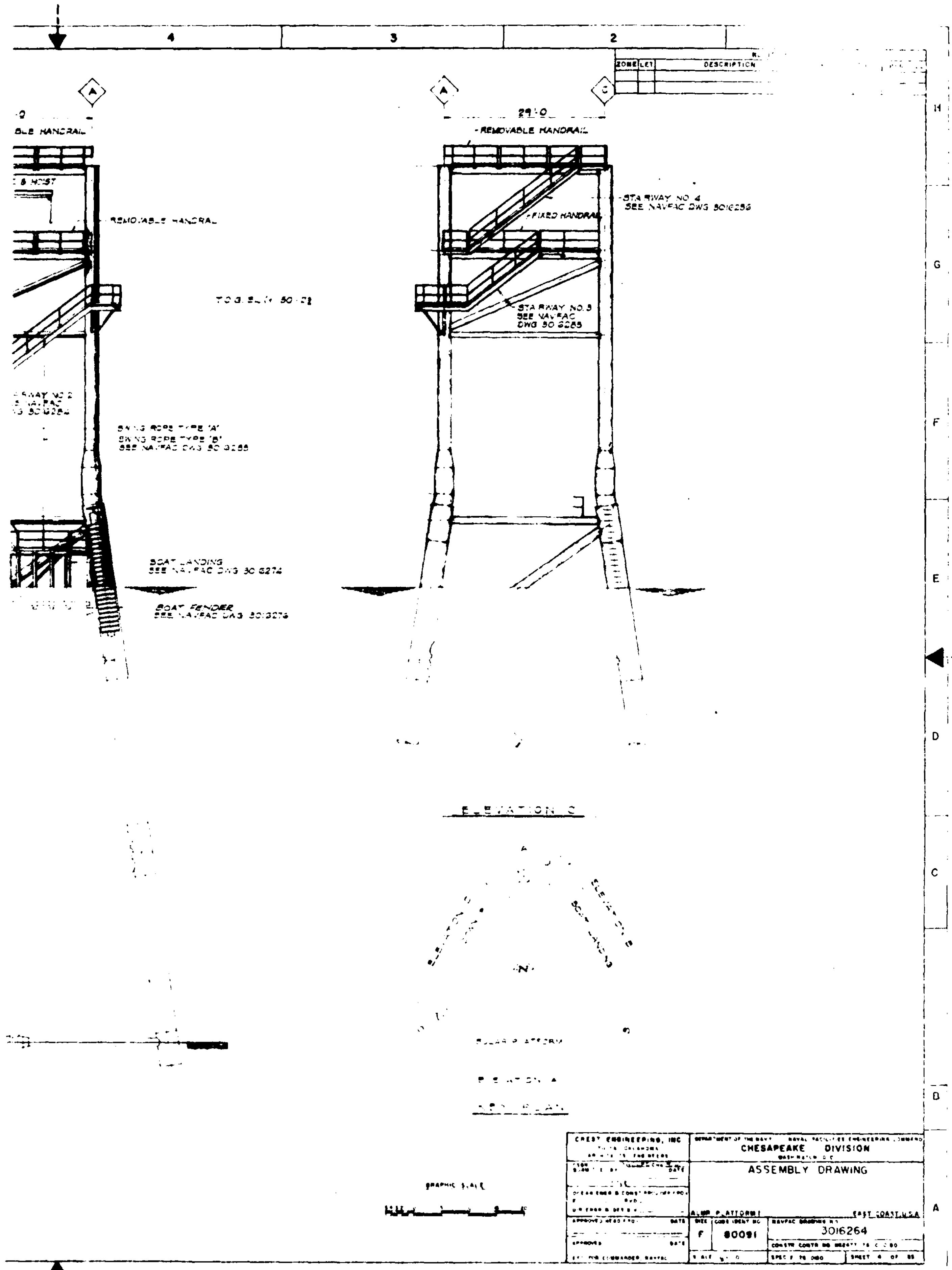
2 WITH REGARD TO WATER DEPTHS, INFORMATION AND DATA PERTINENT TO THE INSTALLATION SITES ARE PRESENTED FOR THE CONTRACTORS INFORMATION IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE DATA AND IT IS TO BE EXPRESSLY UNDERSTOOD THAT THE GOVERNMENT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATION OR CONCLUSION DRAWN THEREFROM.



4
3
2
1
REVISION
ZONE
LET
DESCRIPTION
PREP'D BY
DATE
APPROVED
H
G
F
E
D
C
B
A
W75° 00' 00"
N 36° 00' 00"
NO. 2
MLW 93 FT
N 36° 03' 52.250"
13,093,489
NO. 3
MLW 105 FT
NO. 1
MLW 81 FT
N 35° 47' 11.447"
2,992,344
NO. 4
MLW 105 FT
SCALES
10 MILES
U.T.M. COORDINATE
PLAT SCALE
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS · ENGINEERS
DEPARTMENT OF THE NAVY   NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
VICINITY PLAN
ACMR PLATFORMS
EAST COAST USA
SUBMITTED BY
APPROVED
F
80091
NAVFAC DRAWING NO.
306263


8
7
6
5
29'-0
REMOVABLE HANDRAIL
T.O.S. UPPER DECK
SOLAR SCREEN
CRANE & HOIST
REMOVABLE HANDRAIL
T.O.S. EQUIPMENT DECK
SEE NAVFAC DWG 5016250
STAIRWAY NO.1 SEE NAVFAC DWG 5016263
STAIRWAY NO.2 SEE NAVFAC DWG 5016264
T.O.G. JACKET WALKWAY
SEE NAVFAC DWG

10 & 2



4
3
2
ZONE
LET
DESCRIPTION
29'-0"
REMOVABLE HANDRAIL
REMOVABLE HANDRAIL
STAIRWAY NO. 4
SEE NAVFAC DWG 3016256
FIXED HANDRAIL
STAIRWAY NO. 3
SEE NAVFAC
DWG 3016255
SWING ROPE TYPE 'A'
SWING ROPE TYPE 'B'
SEE NAVFAC DWG 3016265
BOAT LANDING
SEE NAVFAC DWG 3016274
BOAT FENDER
SEE NAVFAC DWG 3016276
ELEVATION C
N
KEY PLAN
GRAPHIC SCALE
H
G
F
E
D
C
B
A
CREST ENGINEERING, INC
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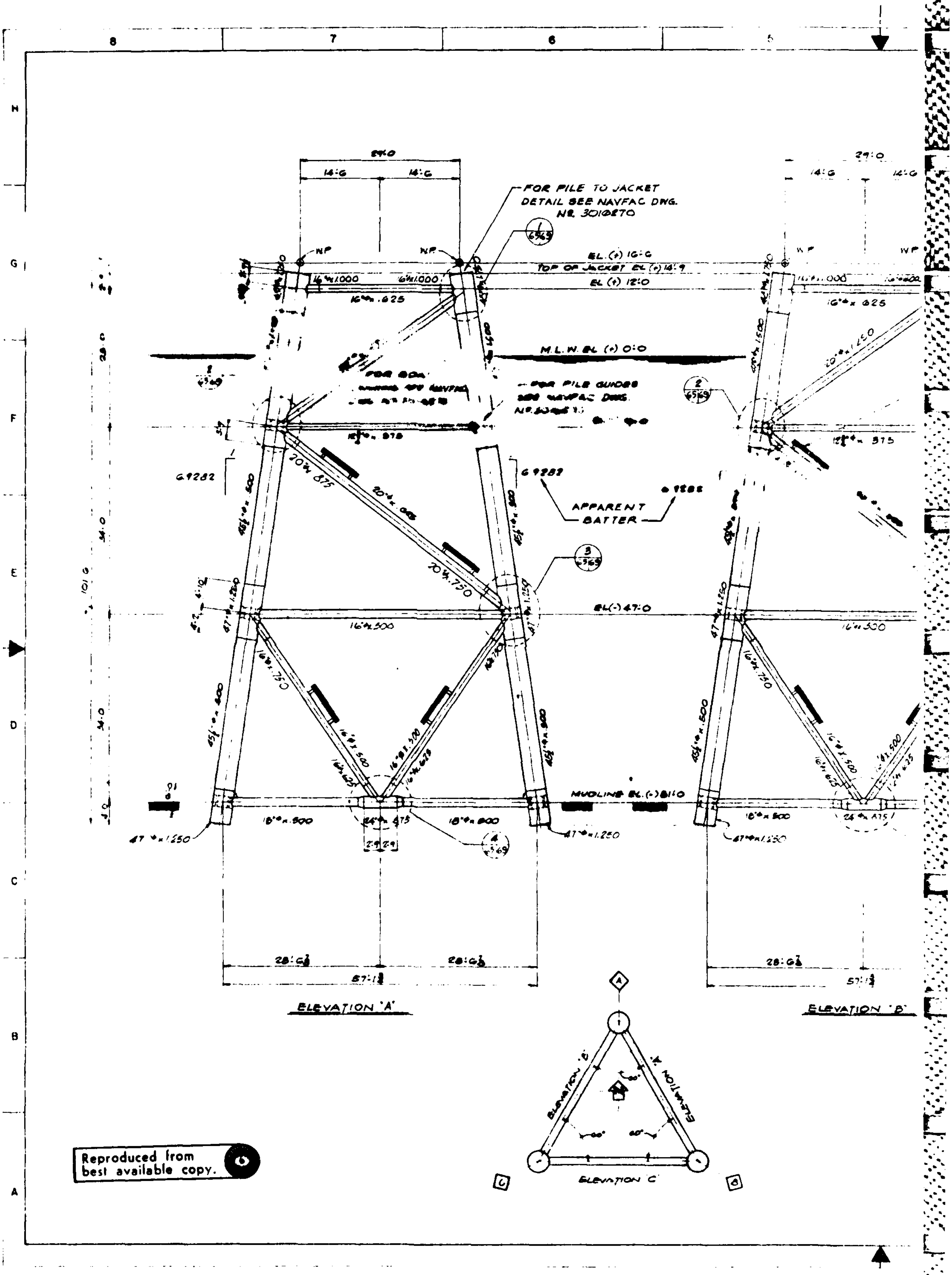
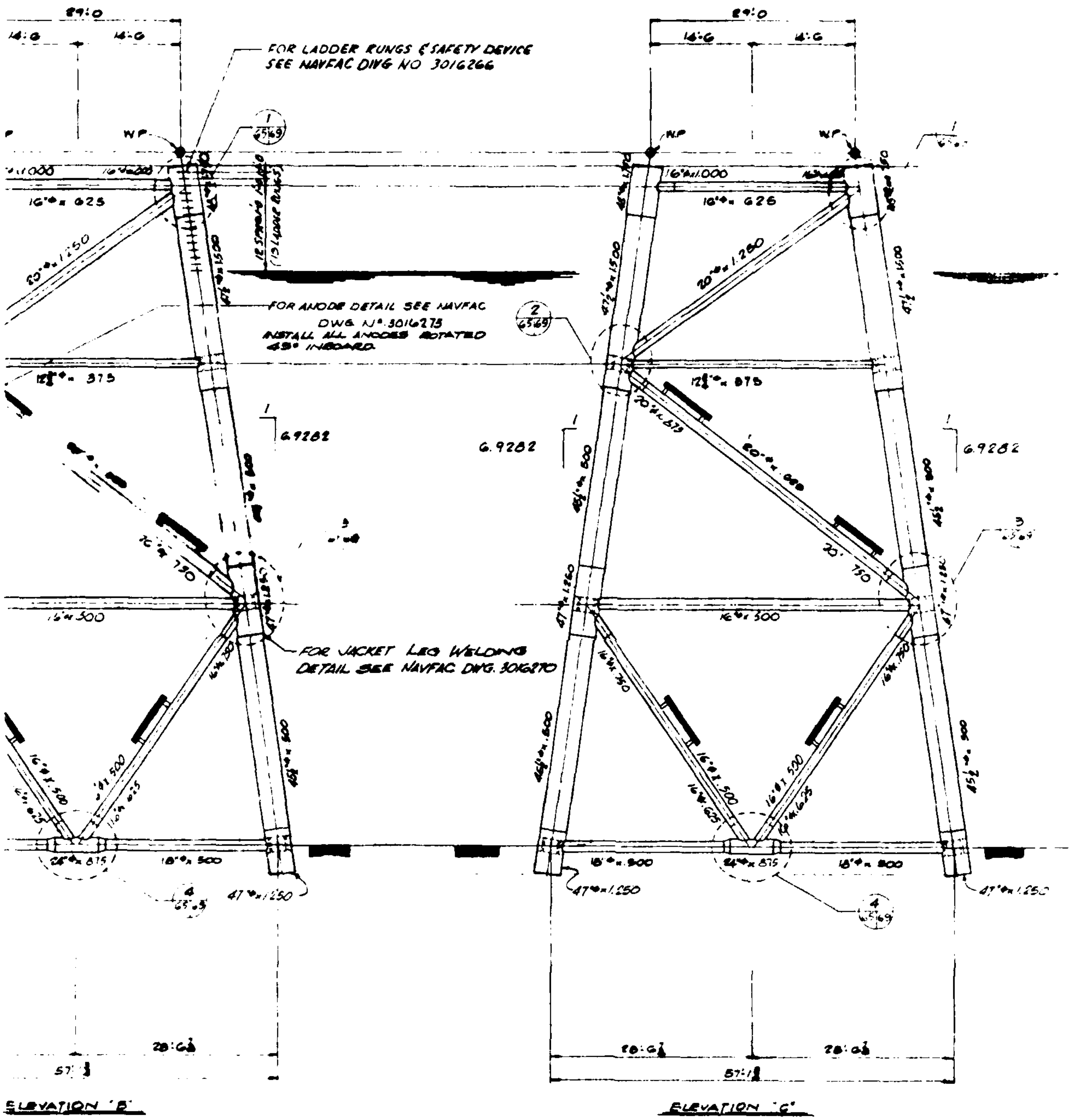
CHESAPEAKE DIVISION
ASSEMBLY DRAWING
EAST COAST U.S.A.
APPROVED
DATE
SIZE F
CODE IDENT NO 80091
NAVFAC DRAWING NO 3016264
SHEET



8
7
6
5
H
G
F
E
D
C
B
A
29'-0
14'-6
FOR PILE TO JACKET
DETAIL SEE NAVFAC DWG.
NO. 3010270
EL. (+) 16'-6
TOP OF JACKET EL (+) 14'-9
EL (+) 12'-0
M.L.W. EL (+) 0'-0
FOR PILE GUIDES
SEE NAVFAC DWG.
APPARENT
BATTER
EL (-) 47'-0
MUDLINE EL (-) 81'-0
28'-6¾
57'-1½
ELEVATION 'A'
ELEVATION 'B'
ELEVATION 'C'



STUB ENDS OF BRACES TO BE A53 GRADE B OR API 5L GRADE B

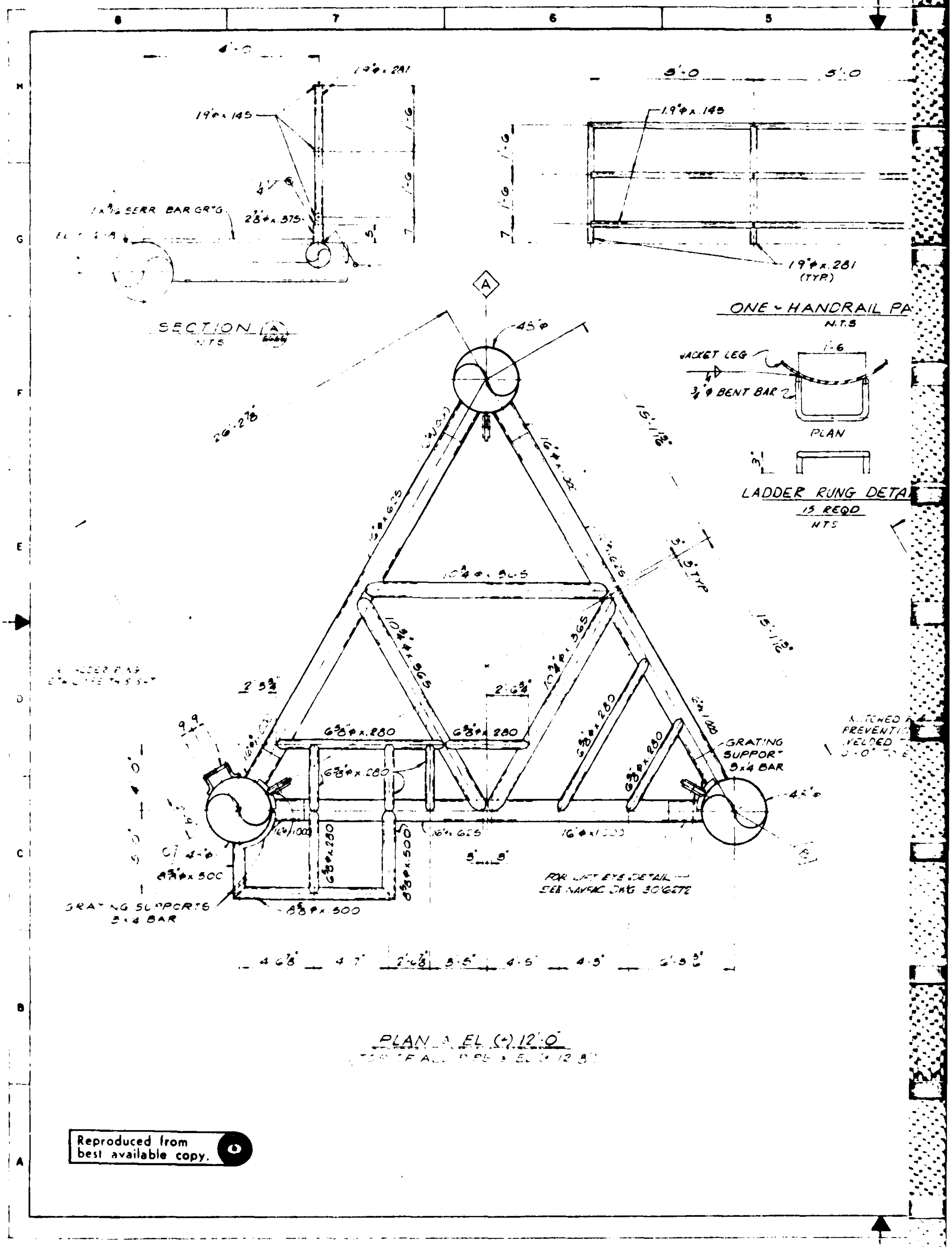
ALL JOINT CANS TO BE ASTM A-633 GRADE A OR API 2H

GRAPHIC SCALE

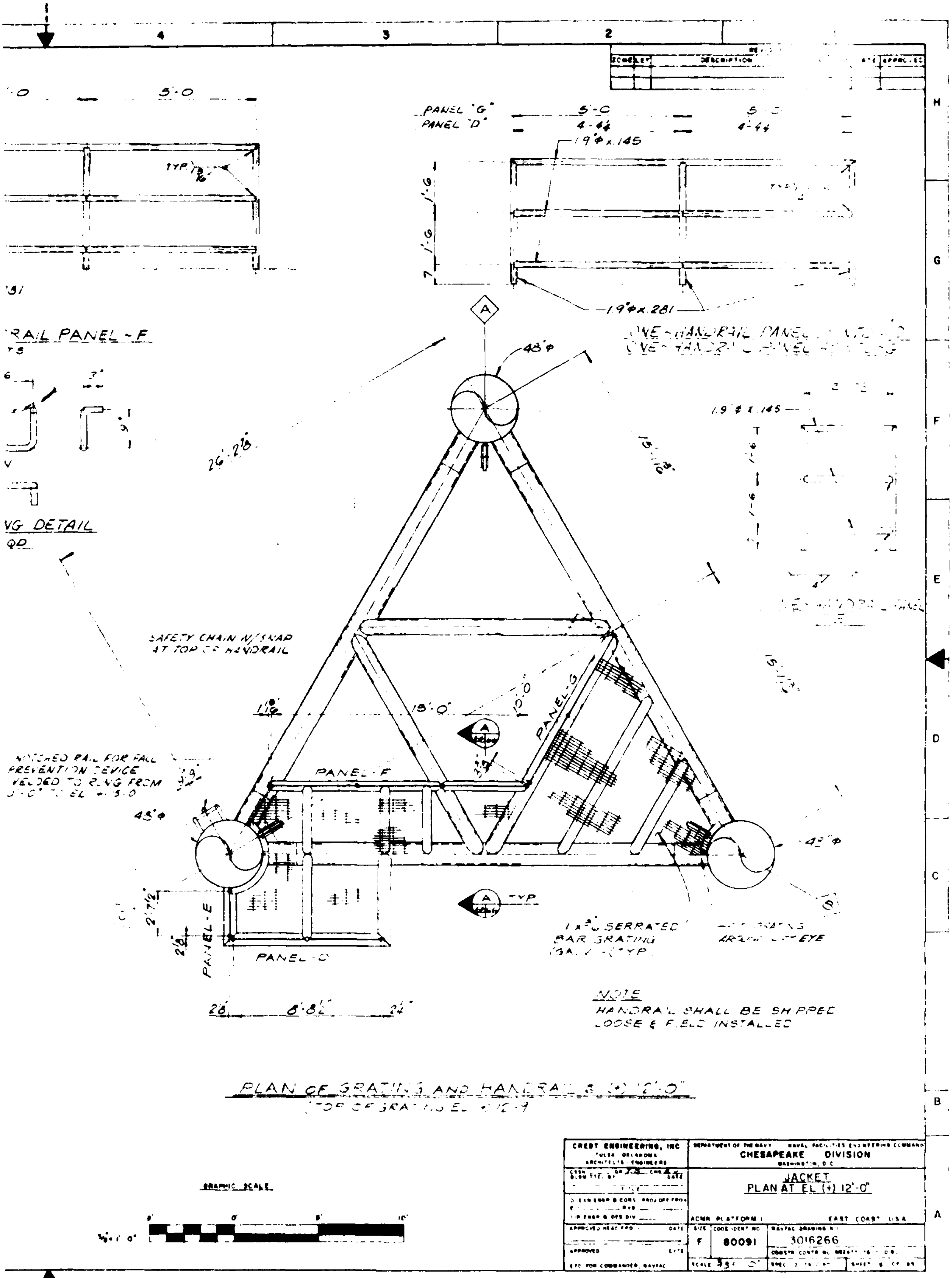
1/8" = 1'-0"

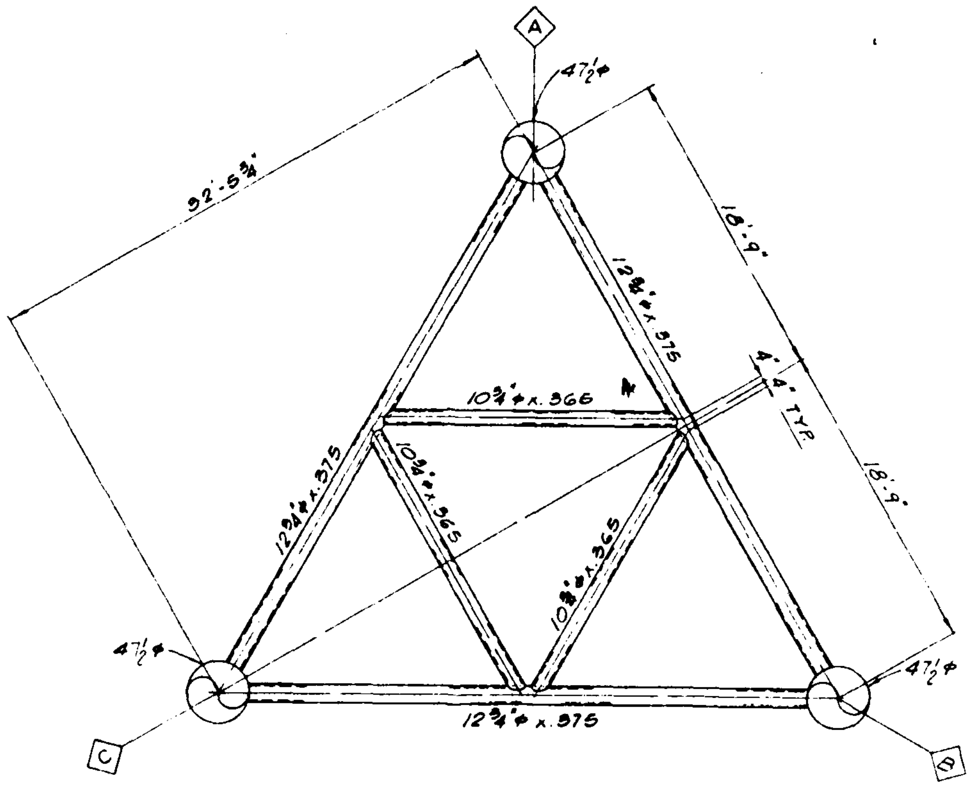
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON, D.C.
SUBMITTED BY DATE	JACKET ELEVATIONS
ACMR PLATFORM I	EAST COAST USA
SIZE F	CODE IDENT NO 80091
NAVFAC DRAWING NO	3016265
SCALE 1/8" = 1'-0"	

212

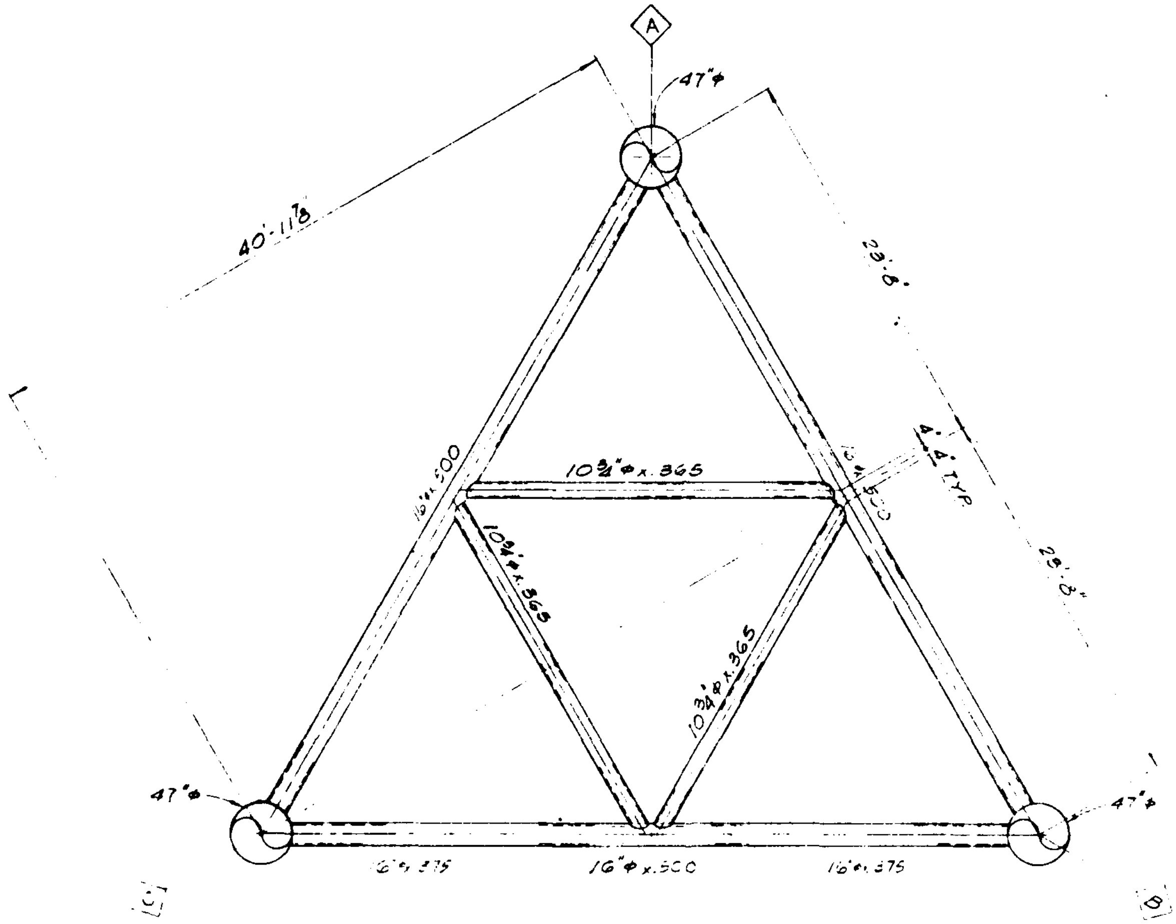


SECTION A
N.T.S
1.9"φ x .145
1.9"φ x .281 (TYP)
ONE - HANDRAIL PA
N.T.S
JACKET LEG
3/4" φ BENT BAR
PLAN
LADDER RUNG DETA
15 REQD
NTS
GRATING SUPPORT 3x4 BAR
GRATING SUPPORTS 3x4 BAR
FOR LIFT EYE DETAIL SEE NAVFAC DWG 3016272
PLAN @ EL (+) 12'-0"


PANEL "G"
PANEL "D"
5'-0
4'-4¼
19 Ø x .145
19 Ø x .281
RAIL PANEL - F
VG DETAIL
48"Ø
26'-2⅞
SAFETY CHAIN W/SNAP AT TOP OF HANDRAIL
15'-0"
10'-0
PANEL-G
PANEL-F
NOTCHED RAIL FOR FALL PREVENTION DEVICE WELDED TO RING FROM
48"Ø
PANEL-E
PANEL-D
TYP
1 x 3/16 SERRATED BAR GRATING (GALV.) (TYP.)
NOTE
HANDRAIL SHALL BE SHIPPED LOOSE & FIELD INSTALLED
PLAN OF GRATING AND HANDRAIL @ (+) 12'-0"
GRAPHIC SCALE
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.
JACKET
PLAN AT EL (+) 12'-0"
ACMR PLATFORM I
EAST COAST USA
F
80091
3016266



PLAN @ EL (-) 13'-0
(℄ OF PIPE)

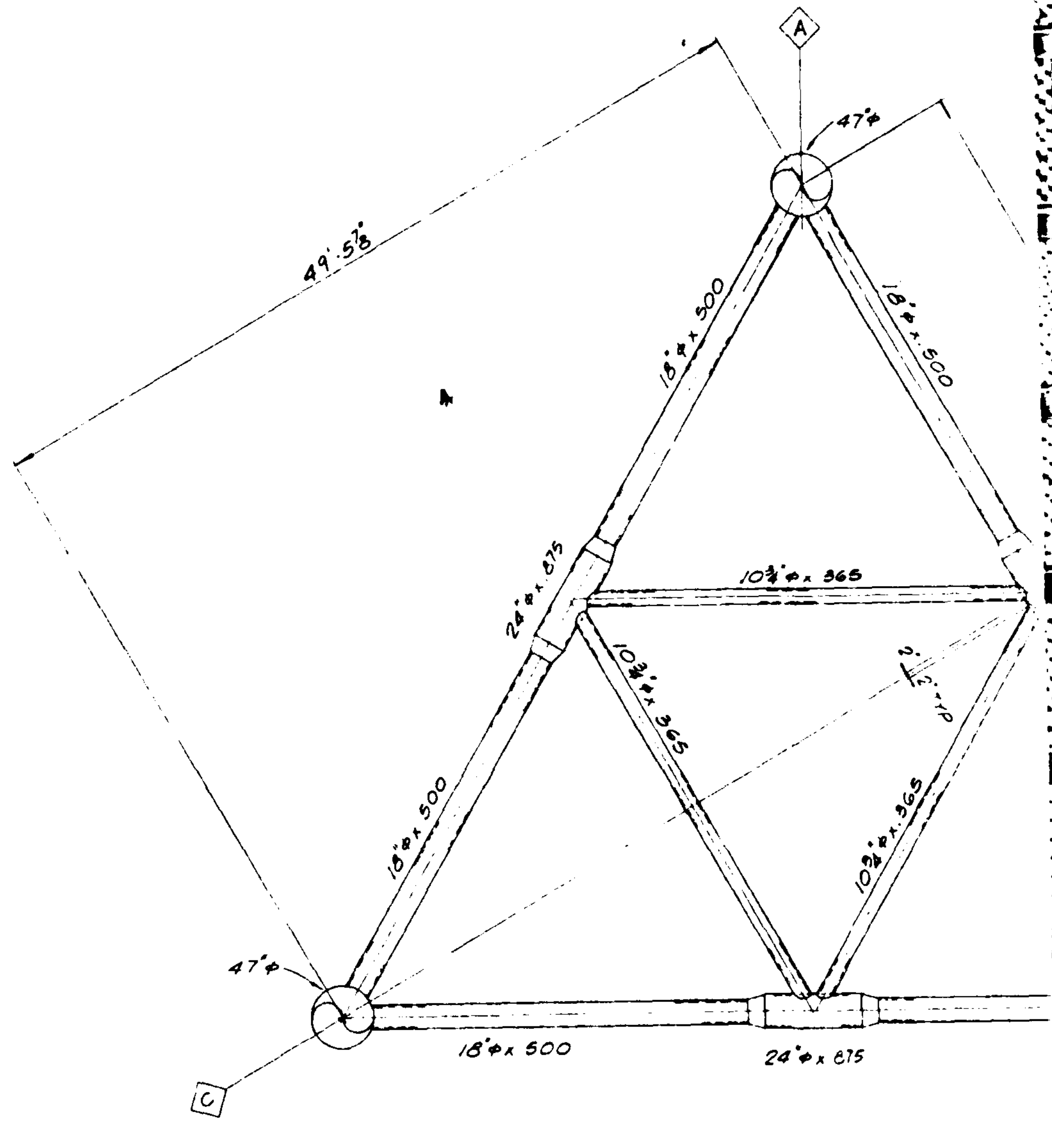


PLAN @ EL (-) 47'-0
(℄ OF PIPE)

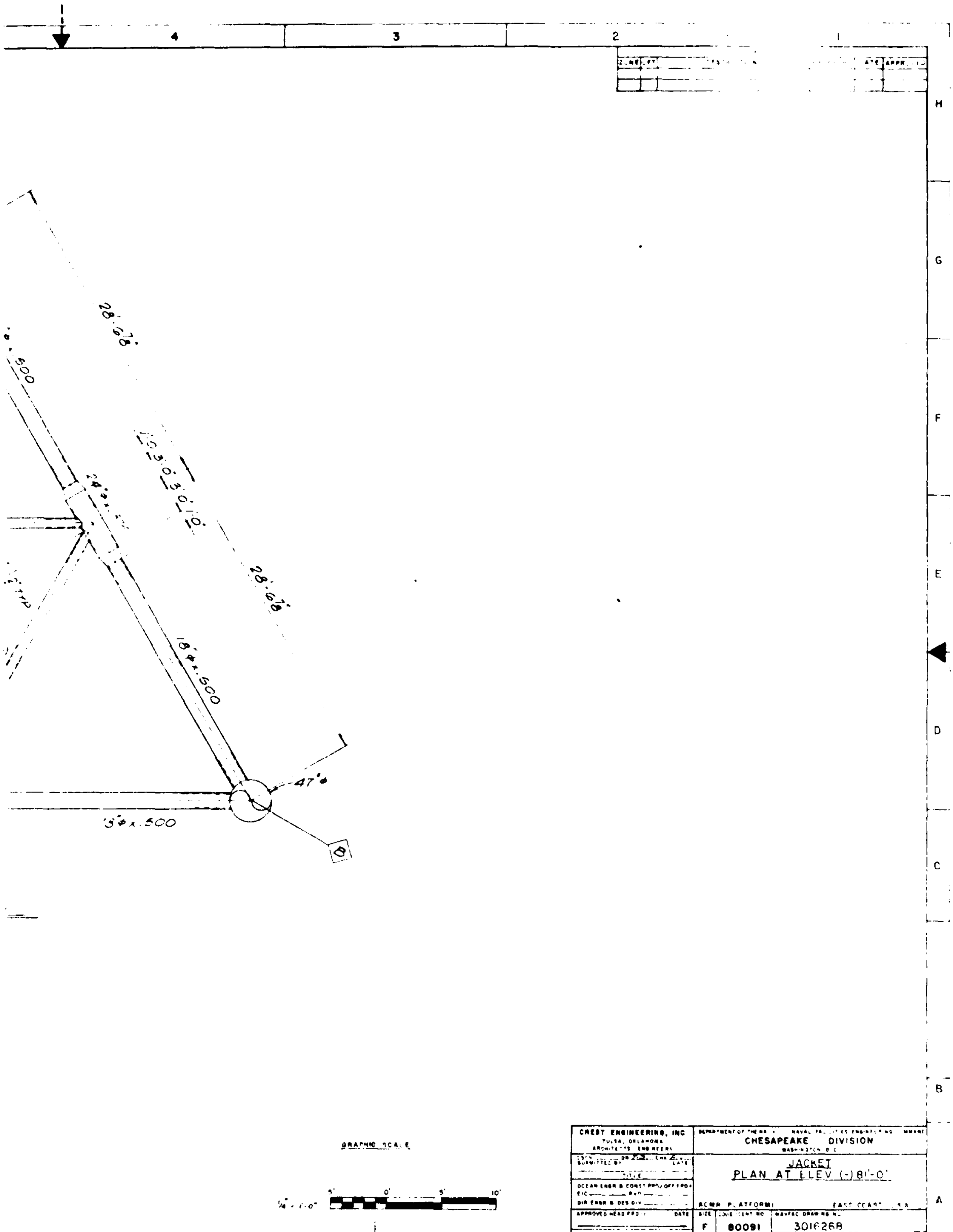
GRAPHIC SCALE

1/4" = 1'-0"

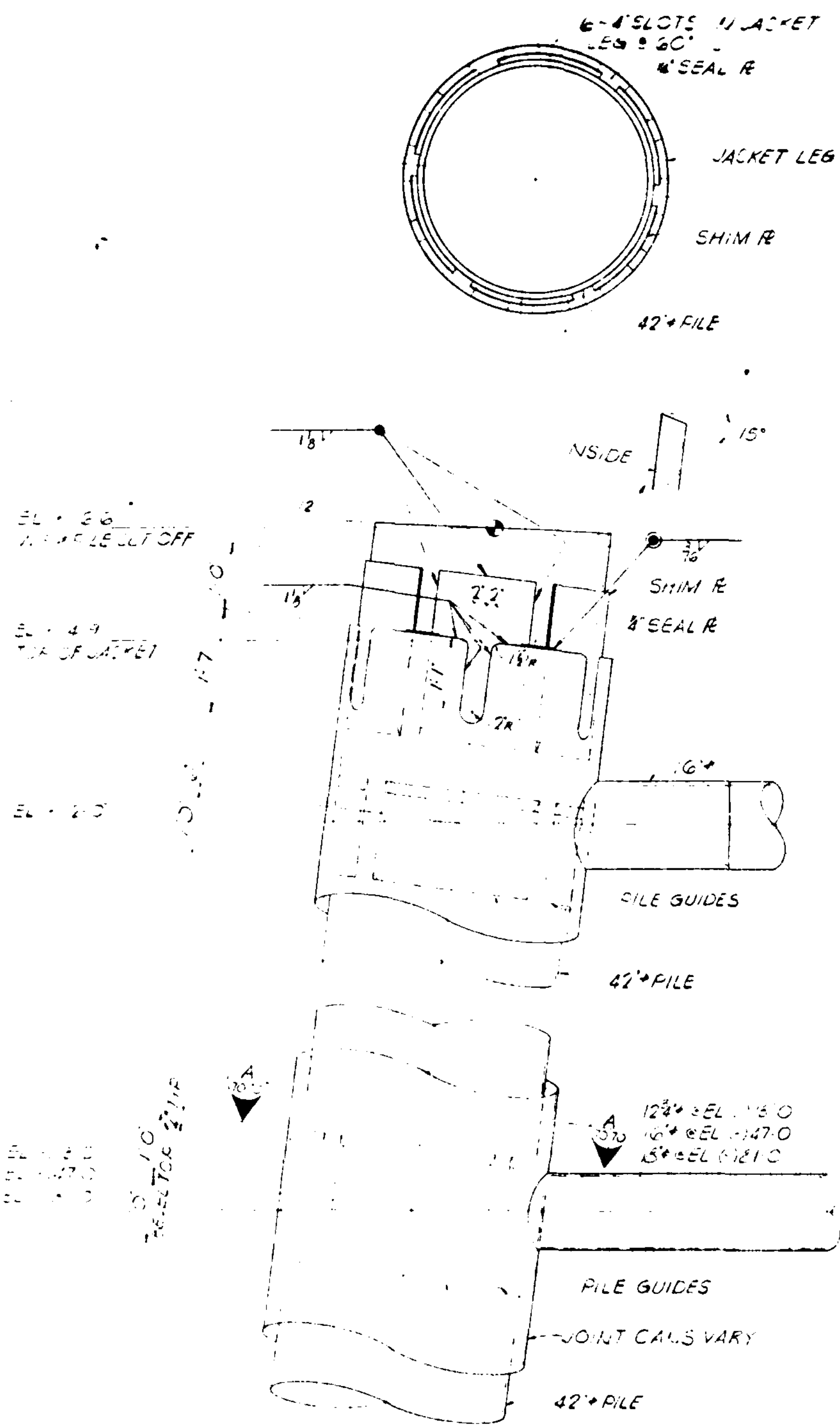
CRESTENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON D.C.
SUBMITTED BY DATE	JACKET PLANS AT ELEV (-)13'-0", & (-)147'-0"
OCEAN ENGR & CONST PROJ OFF FPO-1	ACMR PLATFORM I EAST COAST USA
APPROVED HEAD FPO-1 DATE	SIZE F · CODE IDENT NO 80091 · NAVFAC DRAWING NO 3016267
APPROVED DATE FPO FOR COMMANDER, NAVFAC	SCALE · SHEET



PLAN @ EL (-) 81'-0
(℄ OF PIPE)



CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON D.C.
SUBMITTED BY DATE TITLE OCEAN ENGR & CONST PROJ OFF FPO-4 EIC RVO DIR ENGR & DES DIV	JACKET PLAN AT ELEV (-)81'-0" ACMR PLATFORM EAST COAST U.S.A.
APPROVED HEAD FPO-1 DATE APPROVED DATE FOR COMMANDER, NAVFAC	SIZE F · CODE IDENT NO 80091 · NAVFAC DRAWING NO. 3016268 · SCALE · SPEC · SHEET



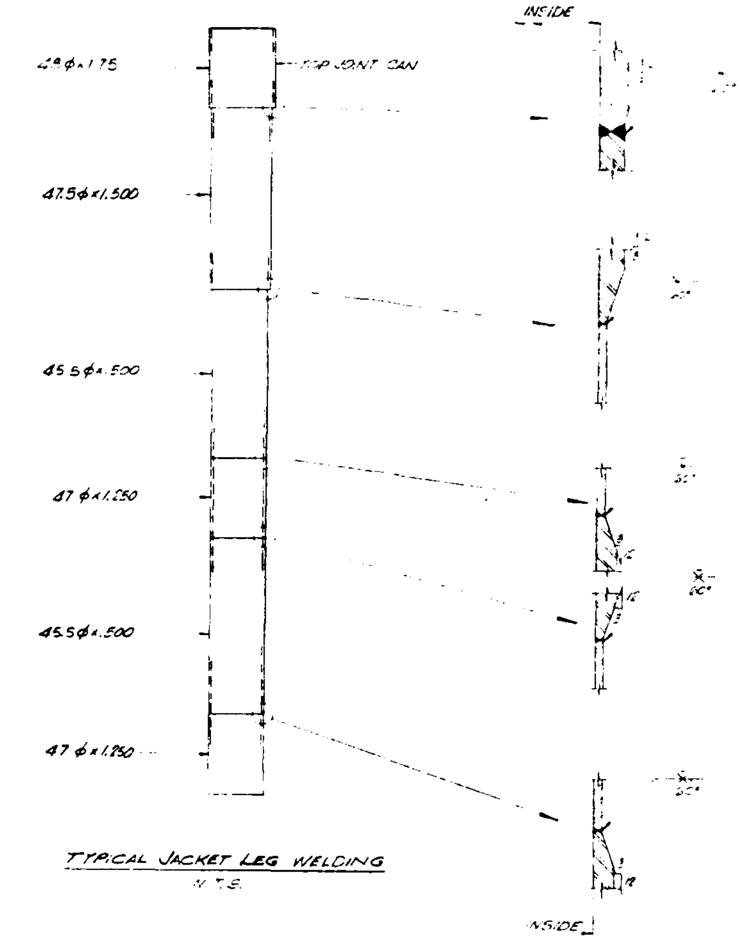
NOTE

1 DO NOT STOP PILE WITH CIRCUMFERENCIAL W... IN SHIM AREA
2 ERECTOR TO USE SHIELD ... SLOTS ... AVOID DAMAGE TO PILES
3 ORIENT SLOTS TO AVOID LIFTING EYES
4 CONTRACTOR SHALL FURNISH INSTALLATION CONTRACTOR WITH A WRAPAROUND TEMPL... FOR TOP OF PILE FIELD CUT

CONTRACTOR TO FURNISH FOLLOWING SHIMS ... SHIMS TO BE ROLLED AND ... TO MAINTAIN TOLERANCES SHOWN

ELEVATION OF LEG
(PILE TO LEG CONNECTION)
(PILE GUIDE DETAILS)

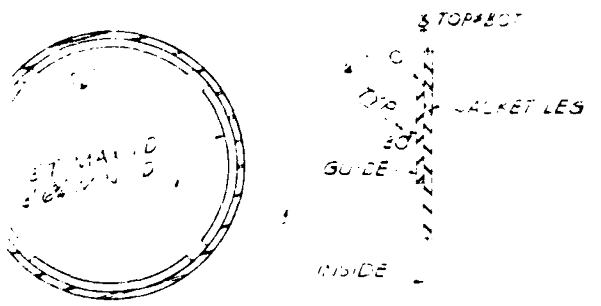
4 | 3 | 2 | 1



TYPICAL JACKET LEG WELDING
N.T.S.

...ENTIAL WELD
...SUBJECTS TO
...
...CATION
...TEMPLATE

SHIMS
...ED AND
...TAIN
...



...E OMITTED FOR CLARITY

SECTION A

THE CONTRACTOR SHALL SIZE SHIM PLATES ... TAIN DIAMETER TOLERANCES SHOWN ... FABRICATION & LOAD OUT TOLERANCES ... BE RECHECKED & PILE GUIDES REPLACED ... CESSARY.

GRAPHIC SCALE

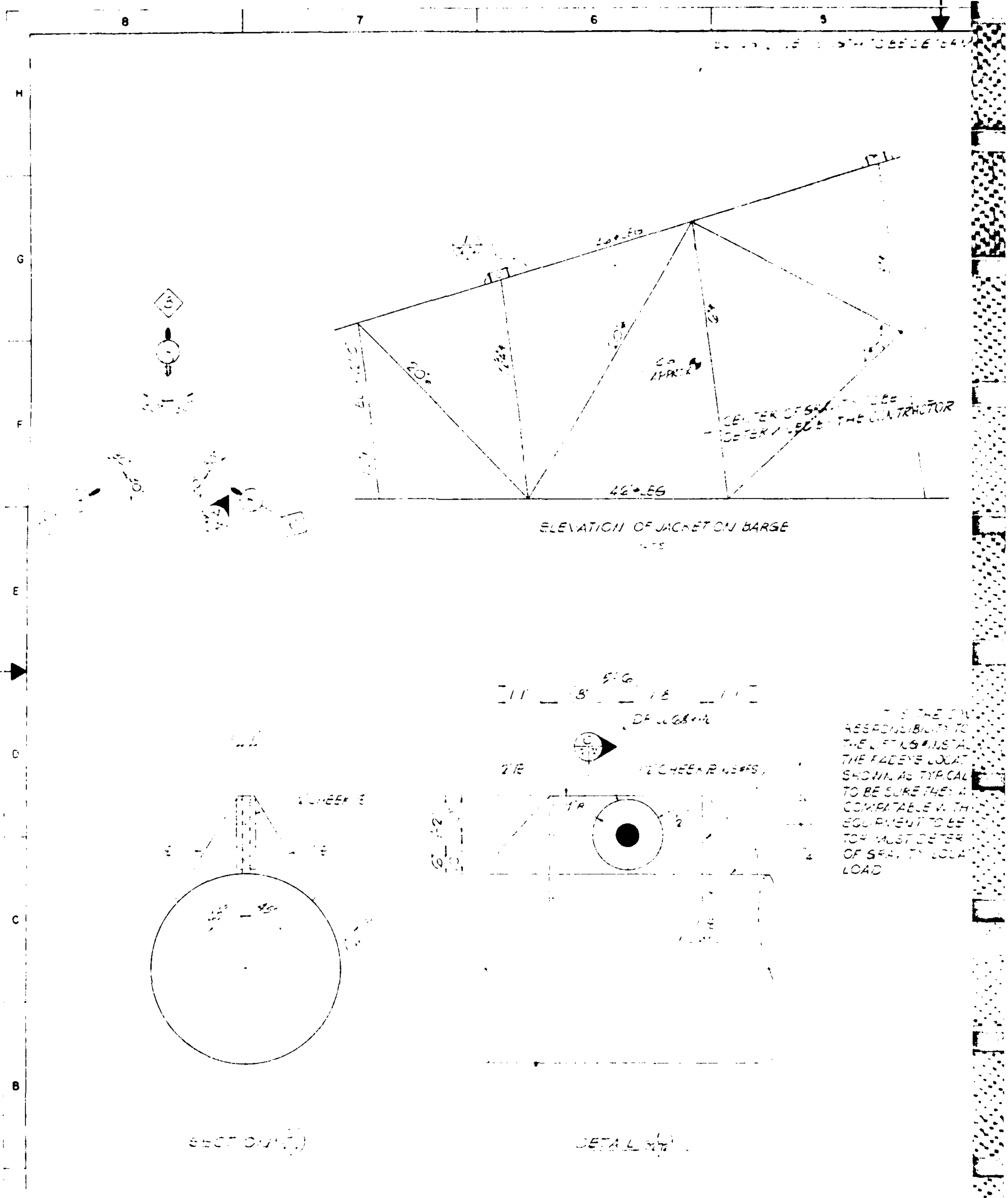
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS ENGINEERS

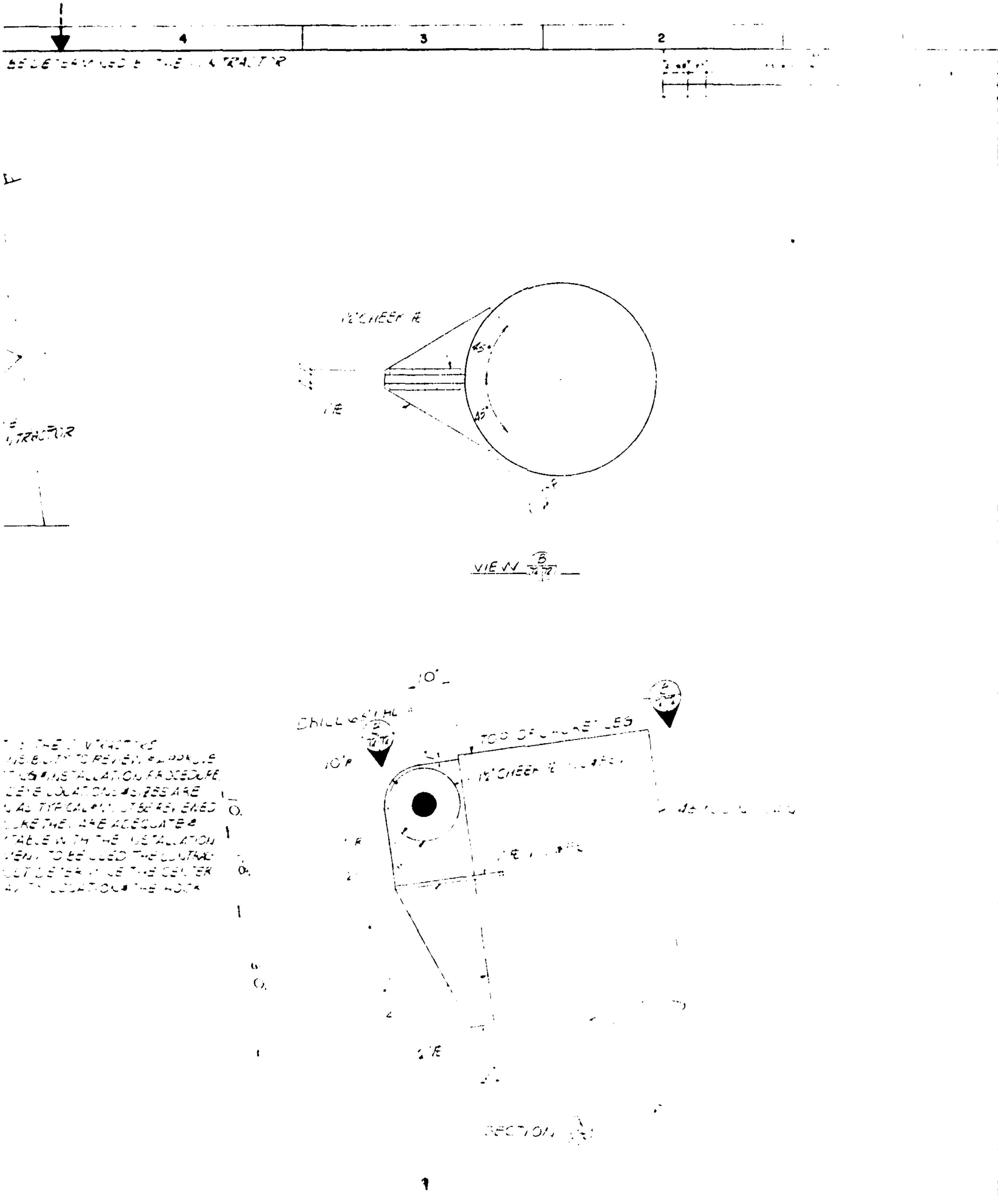
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON D.C.

JACKET
PILE SHIMS & LEG CONNECTION

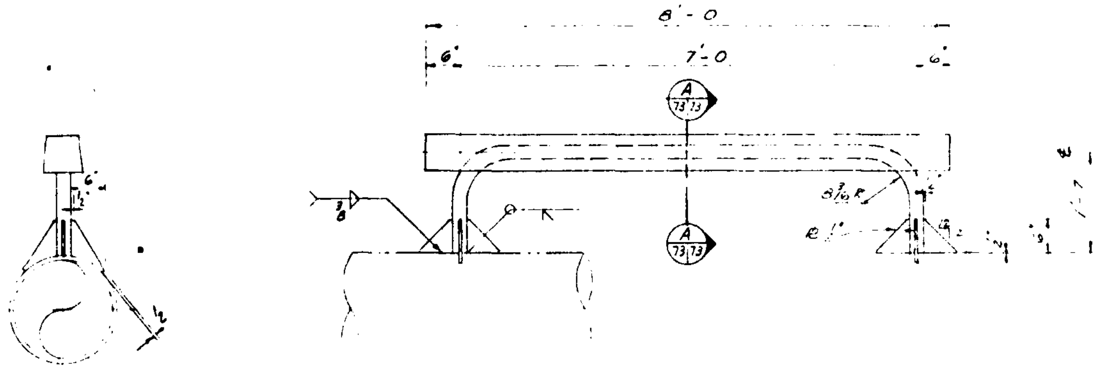
A.C.M.R. PLATFORM | EAST COAST U.S.A.

SIZE	CODE IDENT NO	NAVFAC DRAWING NO
F	80091	3016270

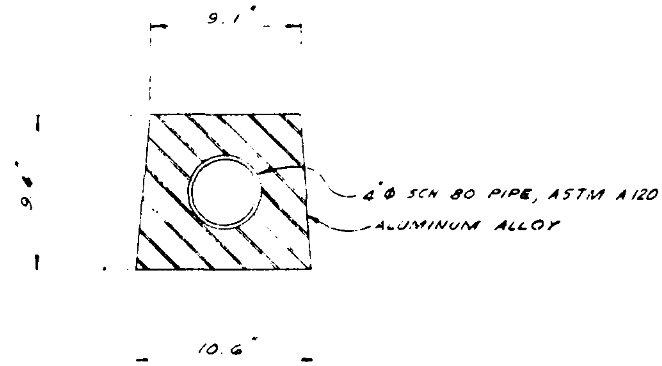

8
7
6
5
H
G
F
E
D
C
B
A
42" LEG
ELEVATION OF JACKET ON BARGE
THE CONTRACTOR
20"



CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	CHESAPEAKE DIVISION WASHINGTON, D.C.	
	JACKET LIFTING EYES	
	A.C.M.R. PLATFORM	EAST COAST U.S.A.
SIZE F	CODE IDENT NO 80091	NAVFAC DRAWING NO 3016272



ANODE DETAIL
SCALE: 1" = 1'-0"



SECTION (A 73|73)
SCALE 3" = 1'-0

ANODE WEIGHT LBS EACH

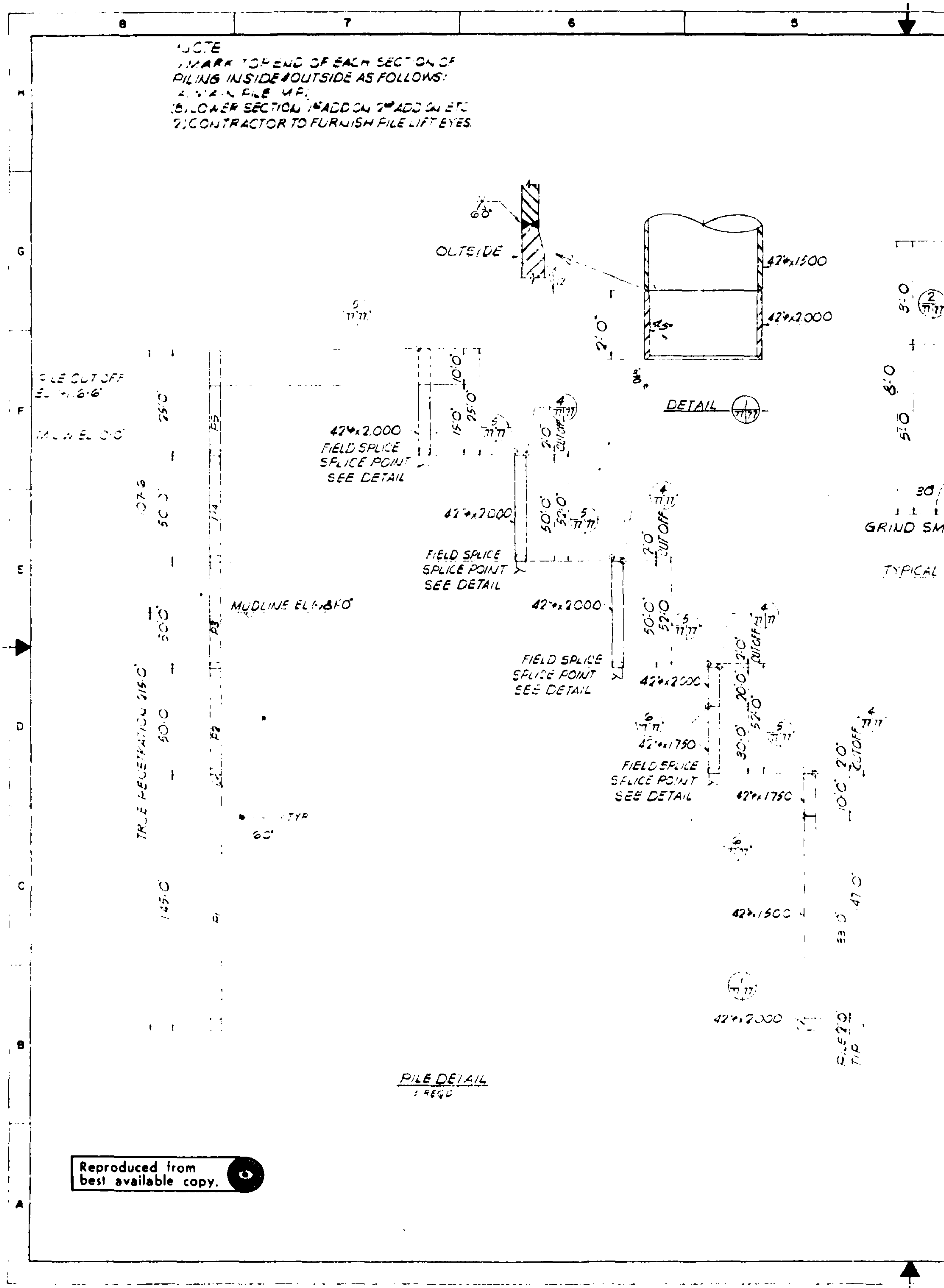
ALUMINUM ALLOY	CORE	TOTAL ANODE
725	120	845

ANODE SCHEDULE

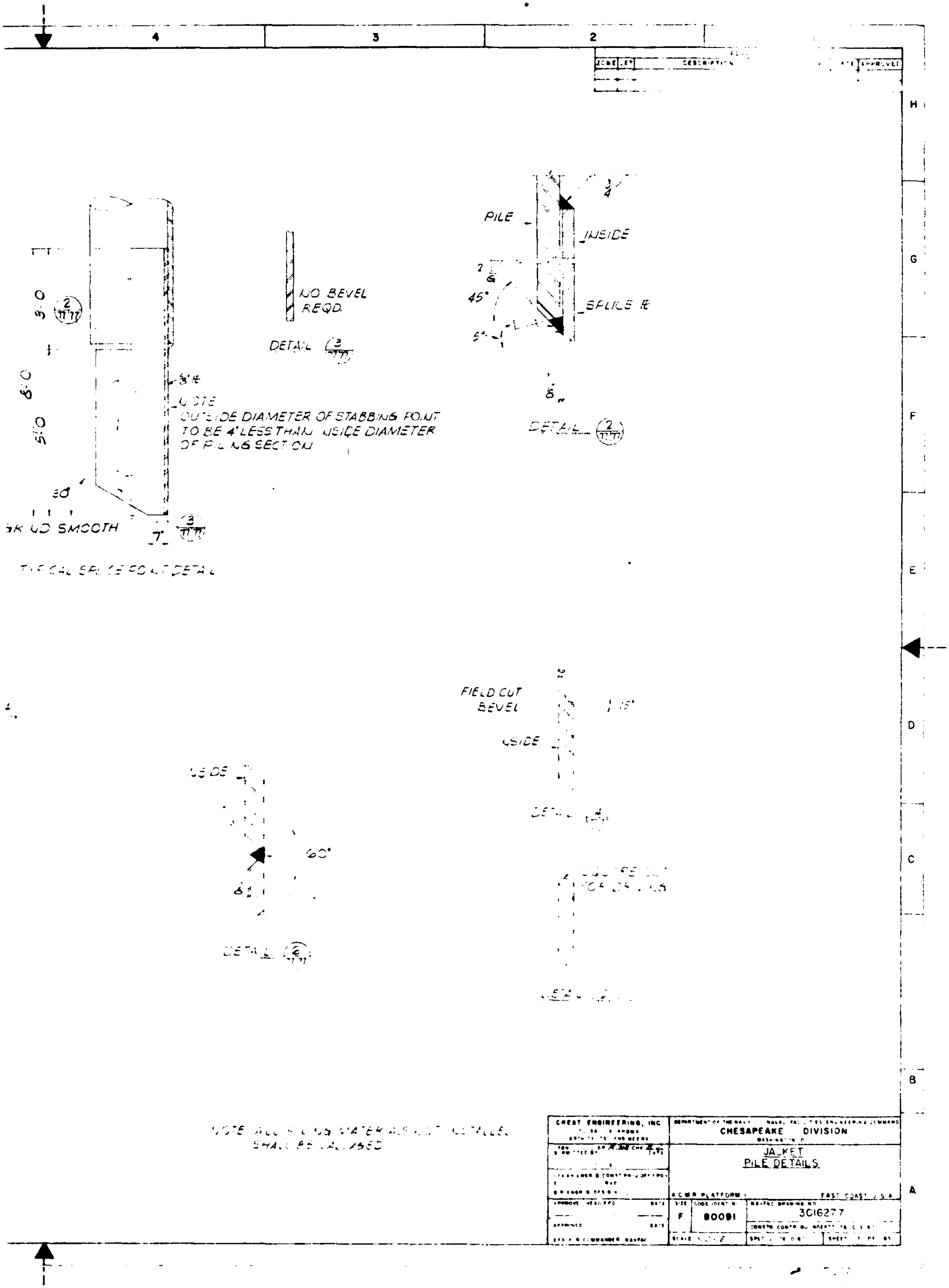
LOCATION	NO REQD
FACE A - B	4
FACE B - C	4
FACE A - C	4
TOTAL NO	12

GRAPHIC SCALES

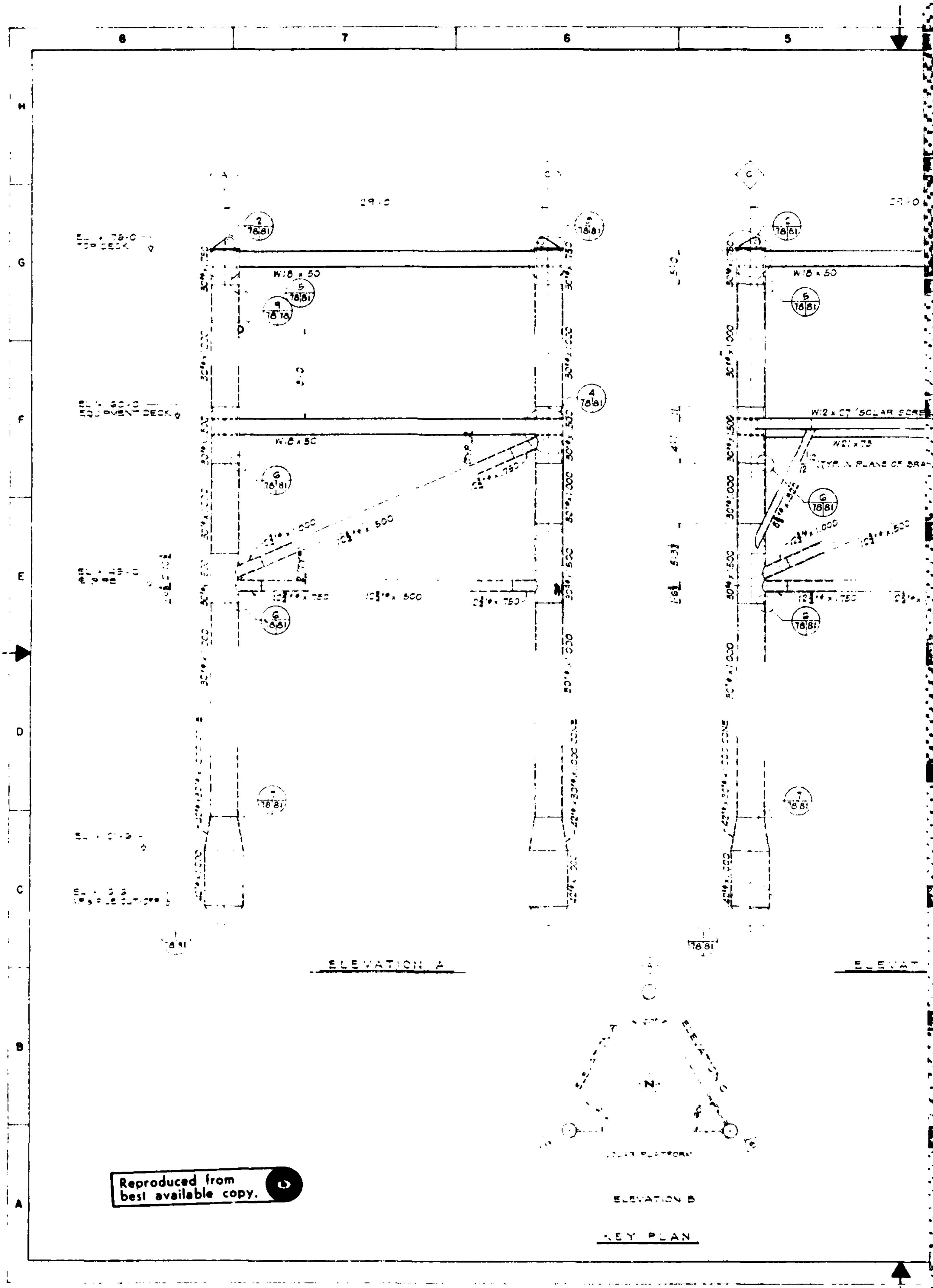
CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON D.C.
SUBMITTED BY DATE TITLE	JACKET ANODE DETAILS
OCEAN ENGR & CONST PROJ OFF FPO-1 RVD DIR ENGR & DES DIV	A.C.M.R. PLATFORM 1 EAST COAST U.S.A.
APPROVED HEAD FPO-1 DATE	SIZE F · CODE IDENT NO 80091 · NAVFAC DRAWING NO 3016273
APPROVED DATE FPO FOR COMMANDER NAVFAC	SCALE · SHEET 3 OF 85

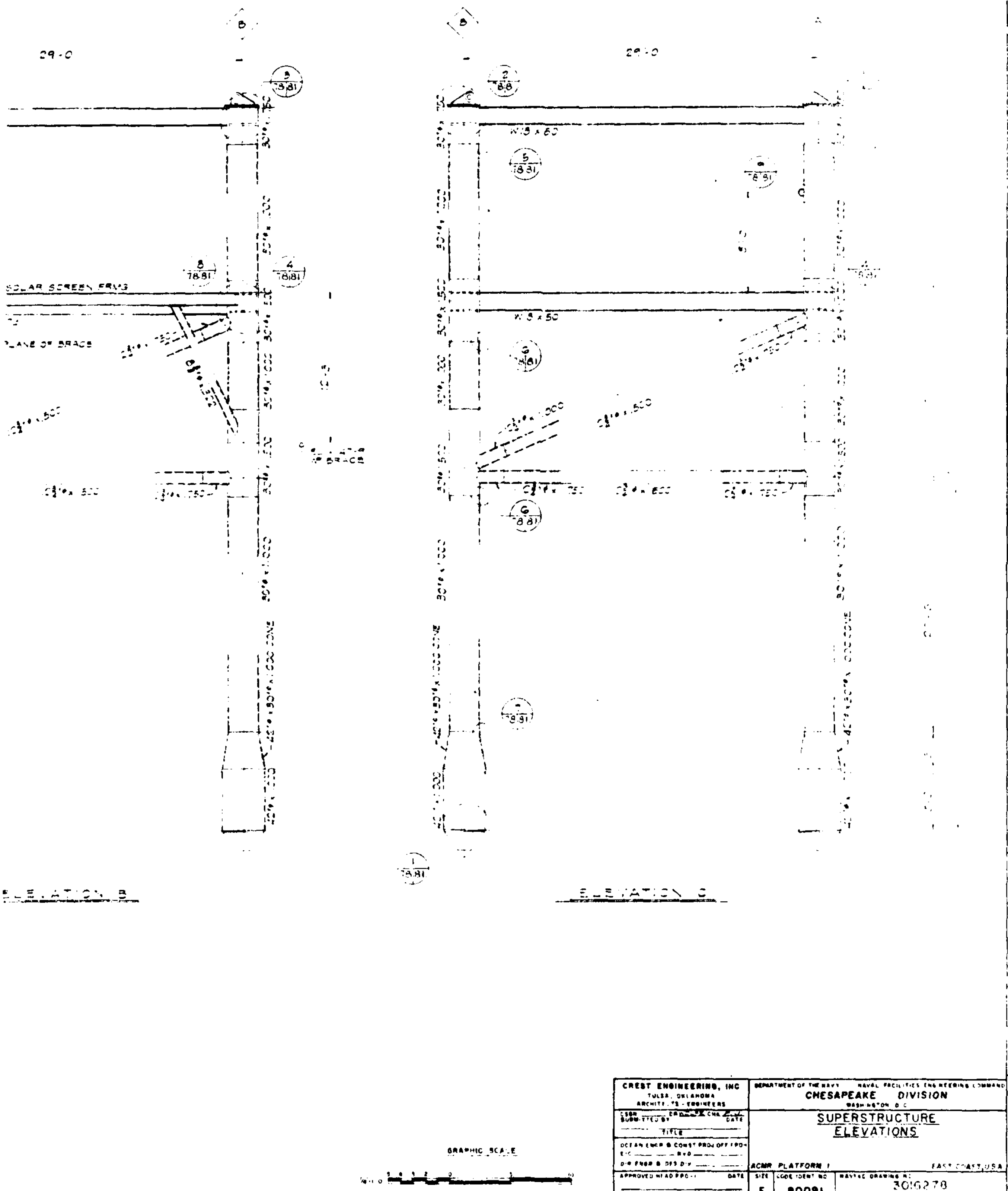


PILING INSIDE & OUTSIDE AS FOLLOWS:
CONTRACTOR TO FURNISH PILE LIFT EYES.
OUTSIDE
42"⌀x1.500
42"⌀x2.000
DETAIL
42"⌀x2.000
FIELD SPLICE
SPLICE POINT
SEE DETAIL
42"⌀x2.000
FIELD SPLICE
SPLICE POINT
SEE DETAIL
42"⌀x2.000
FIELD SPLICE
SPLICE POINT
SEE DETAIL
42"⌀x2.000
42"⌀x1.750
FIELD SPLICE
SPLICE POINT
SEE DETAIL
42"⌀x1.750
42"⌀x1.500
42"⌀x2.000
CUTOFF
GRIND SM
TYPICAL
TYP
PILE DETAIL



NO BEVEL REQD.
DETAIL
PILE
INSIDE
SPLICE PL
45°
DETAIL
NOTE
OUTSIDE DIAMETER OF STABBING POINT TO BE 4" LESS THAN INSIDE DIAMETER OF PILING SECTION
GRIND SMOOTH
FIELD CUT BEVEL
CREST ENGINEERING, INC
CHESAPEAKE DIVISION
JACKET
PILE DETAILS
EAST COAST U.S.A.
80091
3016277


8
7
6
5
H
G
F
E
D
C
B
A
W18 x 50
W18 x 50
ELEVATION A
ELEVATION B
KEY PLAN
N



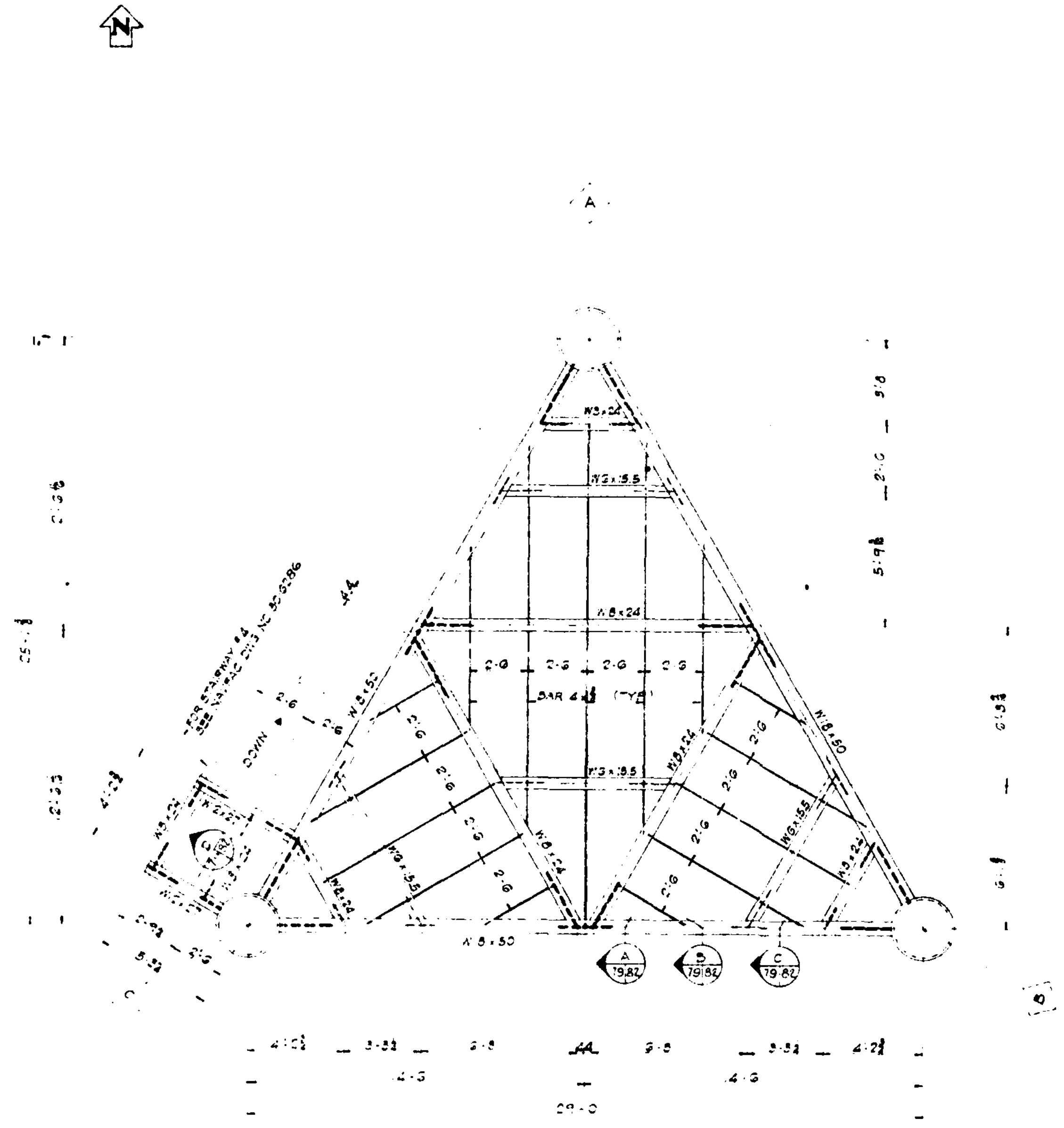
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS - ENGINEERS

DEPARTMENT OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

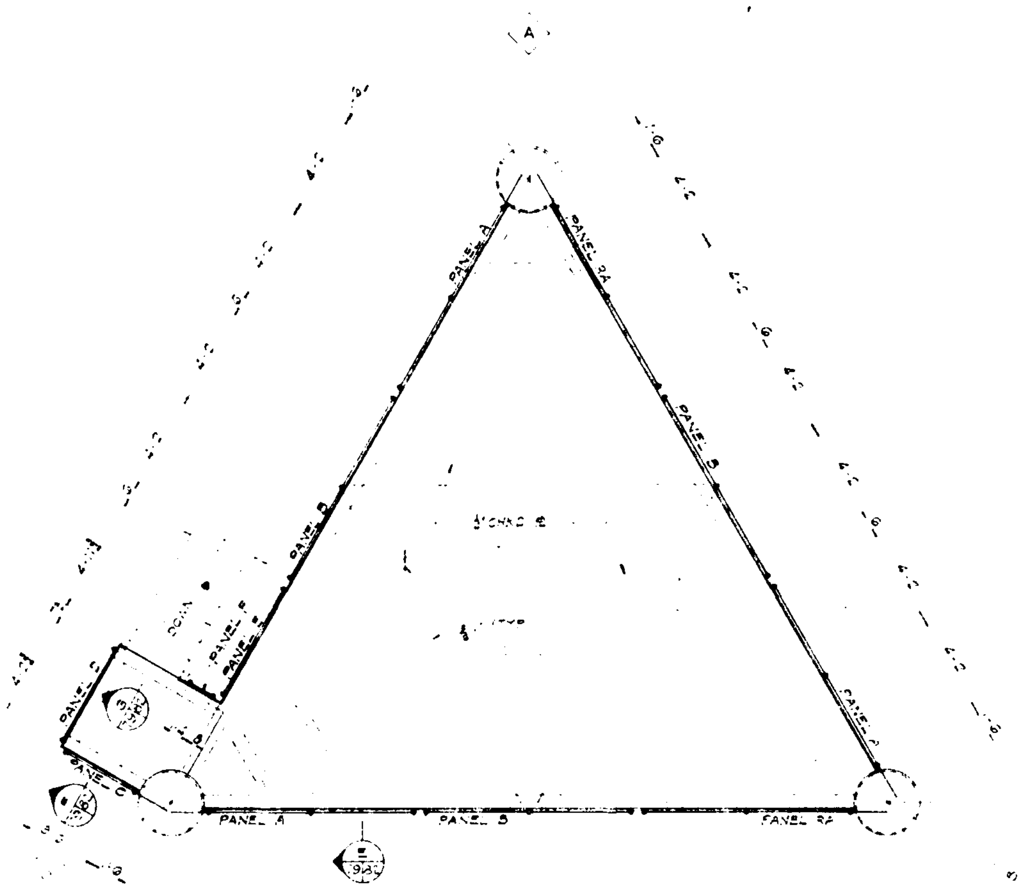
SUPERSTRUCTURE
ELEVATIONS

ACMR PLATFORM I — EAST COAST, USA

SIZE	CODE IDENT NO	NAVFAC DRAWING NO
F	80091	3016278



UPPER DECK FRMG PLAN



FOR HR PANEL DETAILS SEE NAVFAC DWG. NO 3016282

UPPER DECK PLATE & H. R. LAYOUT

GRAPHIC SCALE

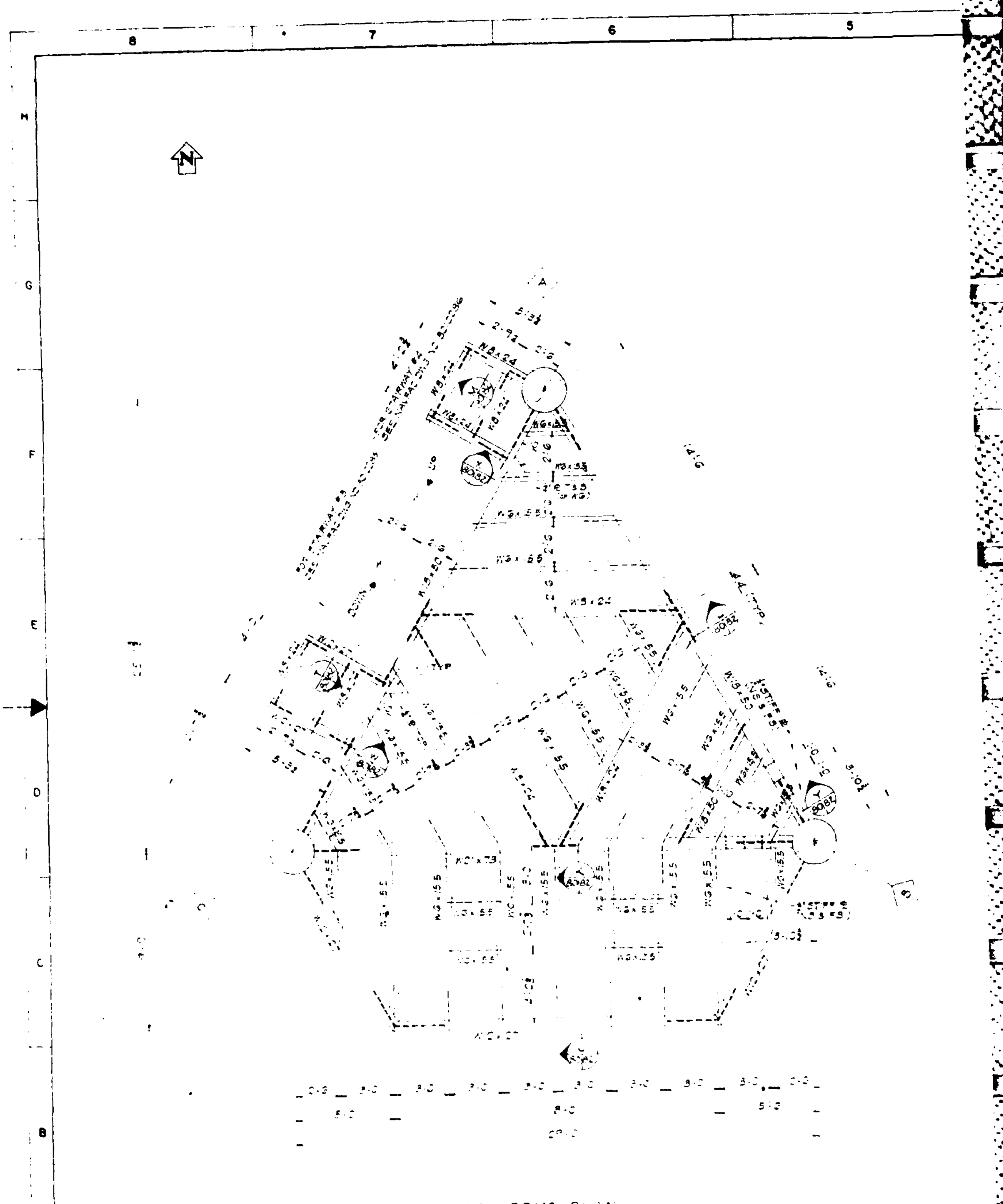
CREST ENGINEERING, INC
TULSA, OKLAHOMA
ARCHITECTS · ENGINEERS

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
CHESAPEAKE DIVISION
WASHINGTON, D.C.

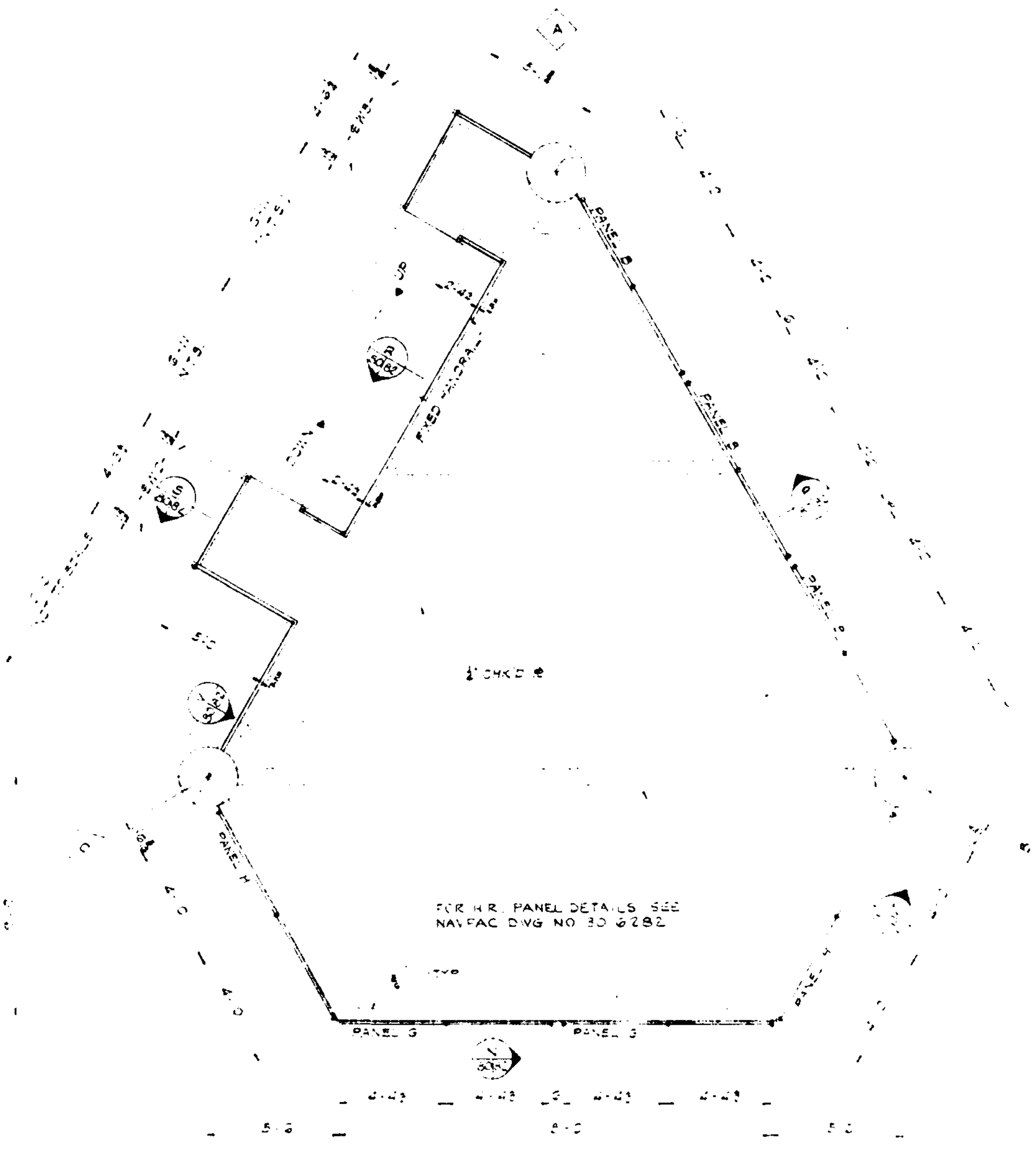
SUPERSTRUCTURE
UPPER DECK FRMG &
DECK PLATE & H R LAYOUT

ACMR PLATFORM 1 EAST COAST U.S.A.

SIZE	CODE IDENT NO	NAVFAC DRAWING NO
F	80091	3C16279



EQUIPMENT DECK FRMG PLAN



EQUIPMENT DECK PLATE & H R LAYOUT

GRAPHIC SCALE

CREST ENGINEERING, INC TULSA, OKLAHOMA ARCHITECTS ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND CHESAPEAKE DIVISION WASHINGTON D C		
DSGN DRWN CHK SUBMITTED BY DATE	SUPERSTRUCTURE EQUIPMENT DECK FRMG & DECK PLATE & H R LAYOUT		
	ACMR PLATFORM I		EAST COAST U S A
APPROVED HEAD PROJ DATE	SIZE F	CODE IDENT NO 80091	NAVFAC DRAWING NO 3016280
APPROVED DATE			CONSTR CONTR NO
FPO FOR COMMANDER NAVFAC	SCALE	SPEC	SHEET

SECTION 3.0

STRUCTURAL IDEALIZATION

3.1 INTRODUCTION

This section presents the mathematical structural model used for the analysis of the 81 feet MLW structure.

The structure is modeled as a space frame. Joint coordinates and member incidences are generated, as illustrated in Section 3.2, to obtain an efficient computer model. The model is then used in the SEALOAD program to generate the wave loads applied to the structure during the 50 year storm. Finally, the model is used in the STRAN program with the wave loadings produced by SEALOAD to analyze the structure for the 50 year storm.

To fully represent the jacket's structural behavior, dummy members are used to simulate the pile-jacket interaction. These members are modeled so that only shears perpendicular to the piling are transferred between the jacket and the piling.

The pile-soil interaction is considered in STRAN through the Coupled Interaction Analysis feature. This achieves convergence between the boundary conditions of the nonlinear pile foundation and the linear structure. The input data required for this feature is found in Section 3.5.

In STRAN the individual structural members of the mathematical model of the structure are not given distinct integers for identification. Each structural member is identified by the joint number at the beginning of the member and the joint number at the end of the

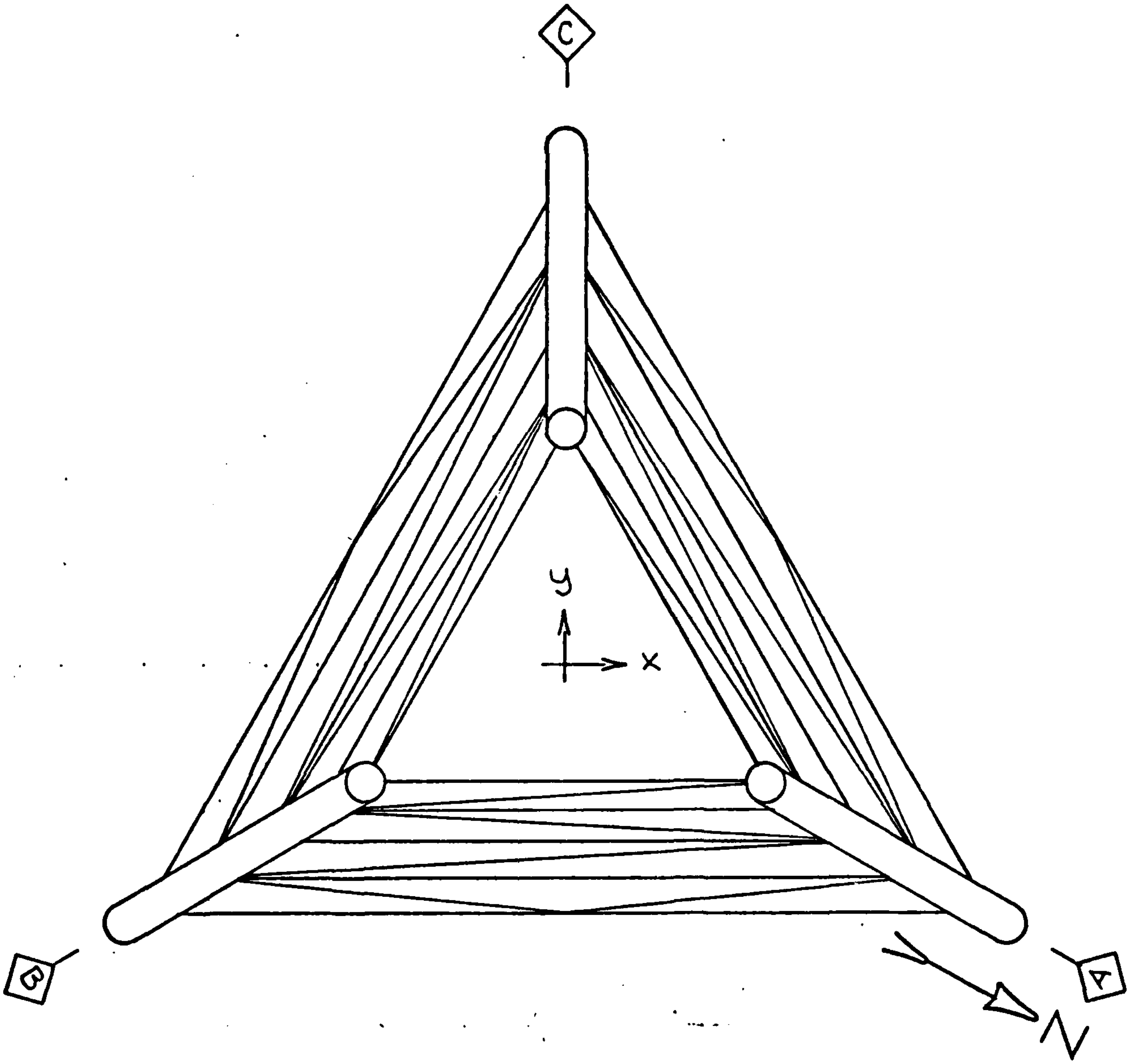
member. Therefore, Member 701-703 is that member of the model connecting Joint 701 to Joint 703. The member start is Joint 701 and the member end is Joint 703, and therefore, the local (member) x - axis is positive toward Joint 703.

Also in STRAN, member properties are designated through GROUPS. Each GROUP has a unique set of member properties, and each member of the model is assigned to a particular GROUP with the member incidence card. A list of the GROUP designations is found in Section 3.3. The member properties of each GROUP are listed in Section 3.7.

Reference Drawings:

3016265	Jacket - Elevations
3016266	Jacket - Plan at El. (+) 12'-0"
3016267	Jacket - Plan at El. (-) 13'-0" & (-) 47'-0"
3016268	Jacket - Plan at El. (-) 81'-0"
3016278	Superstructure - Elevation
3016279	Superstructure - Upper Deck Framing
3016280	Superstructure - Equipment Deck Framing

3.2 SKETCHES - PLANS & ELEVATIONS

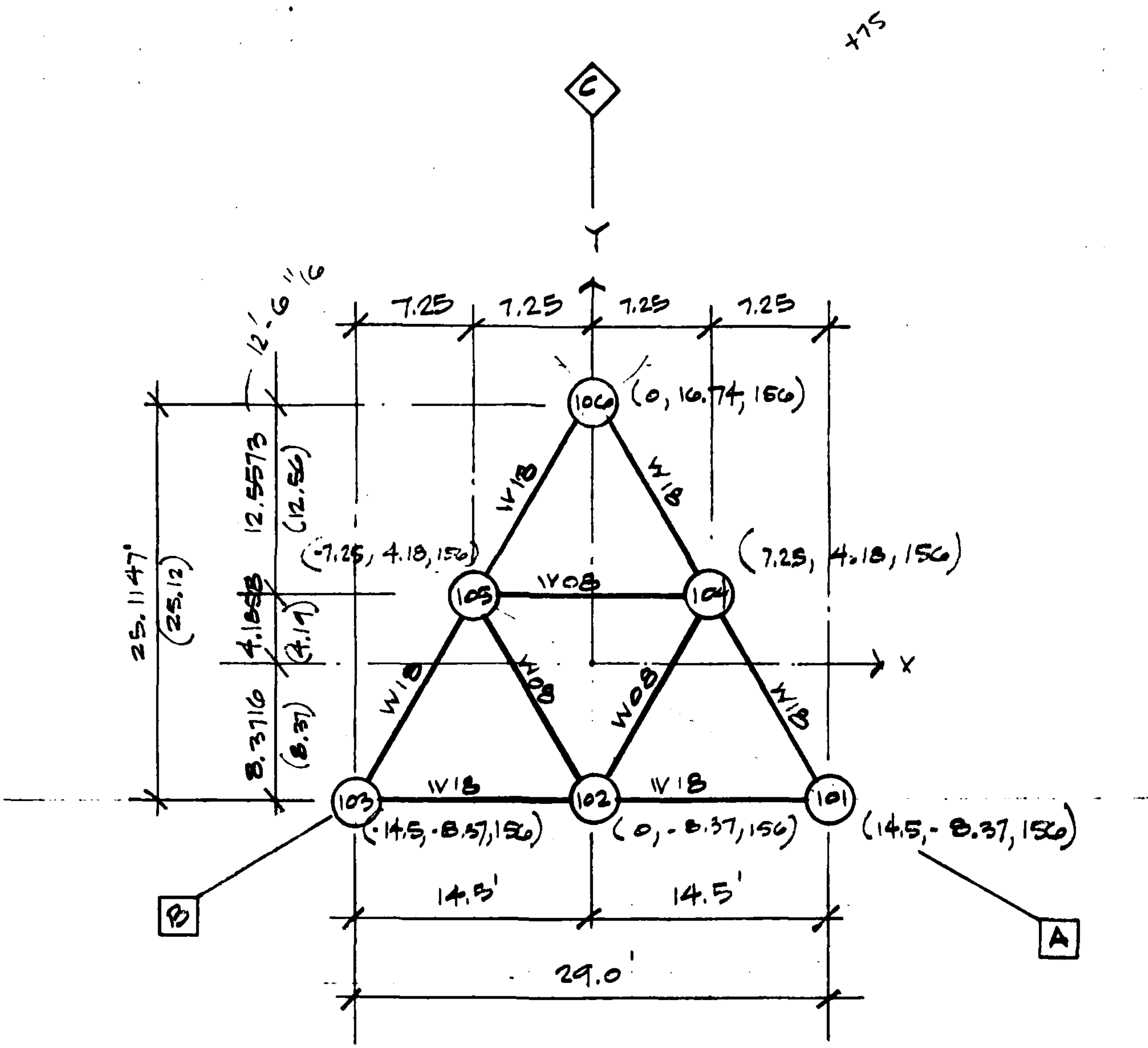


KEY PLAN

CREST OFFSHORE, INC.

Sheet ___ of ___

By ___ Client U.S. NAVY Subject Design for 81' MM Structure
Date 6-14-76 Job No. 27-771-94 Calculation ___



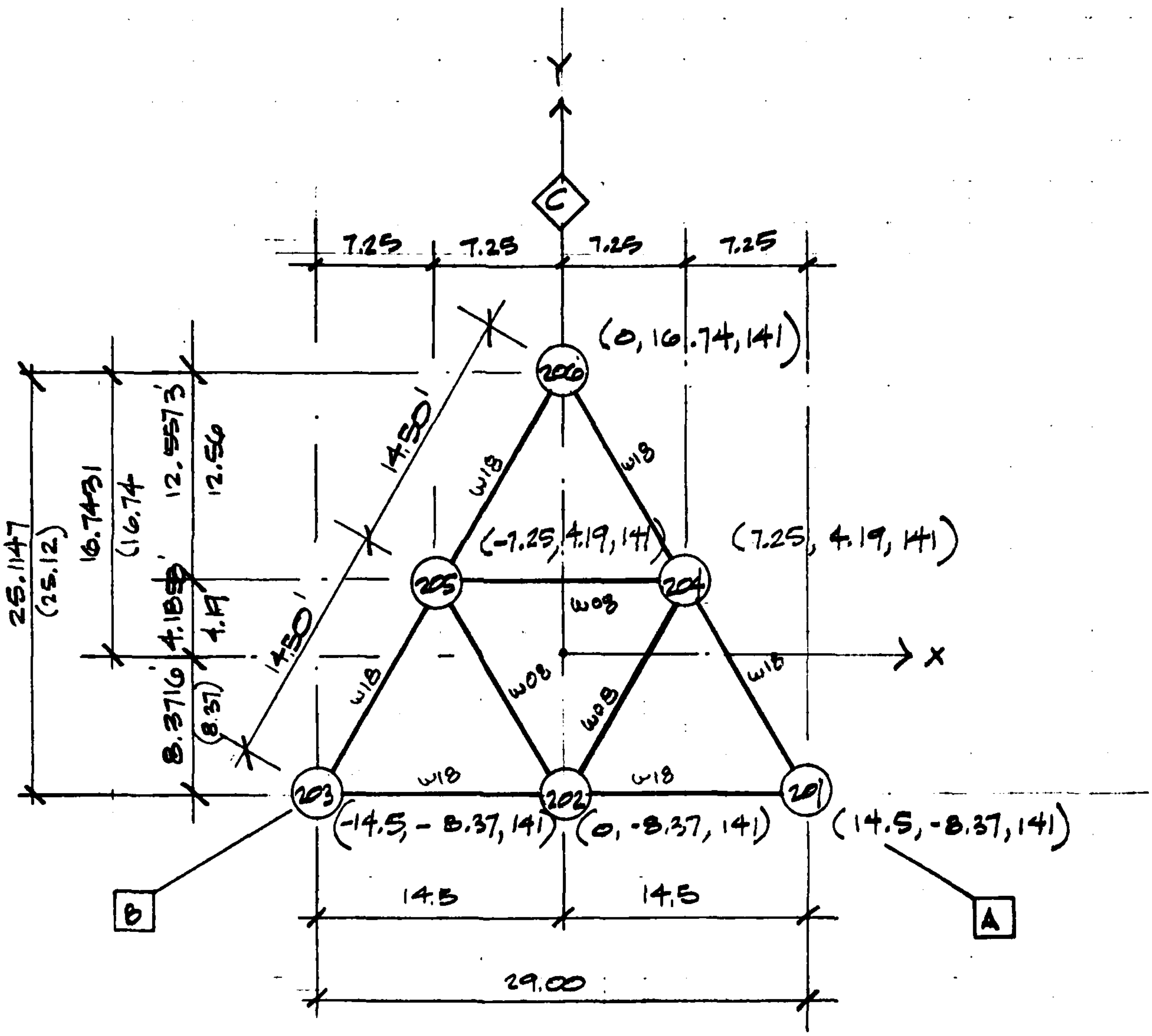
BRACING @ ELEV. (+) 75'-0 (156.0)

UPPER DECK

CREST OFFSHORE, INC.

Sheet 205 of ____

By KWS Client U.S. Navy Subject Design for 81' MWL Structure
Date 6·11·76 Job No. 37-271-94 Calculation Structural Idealization



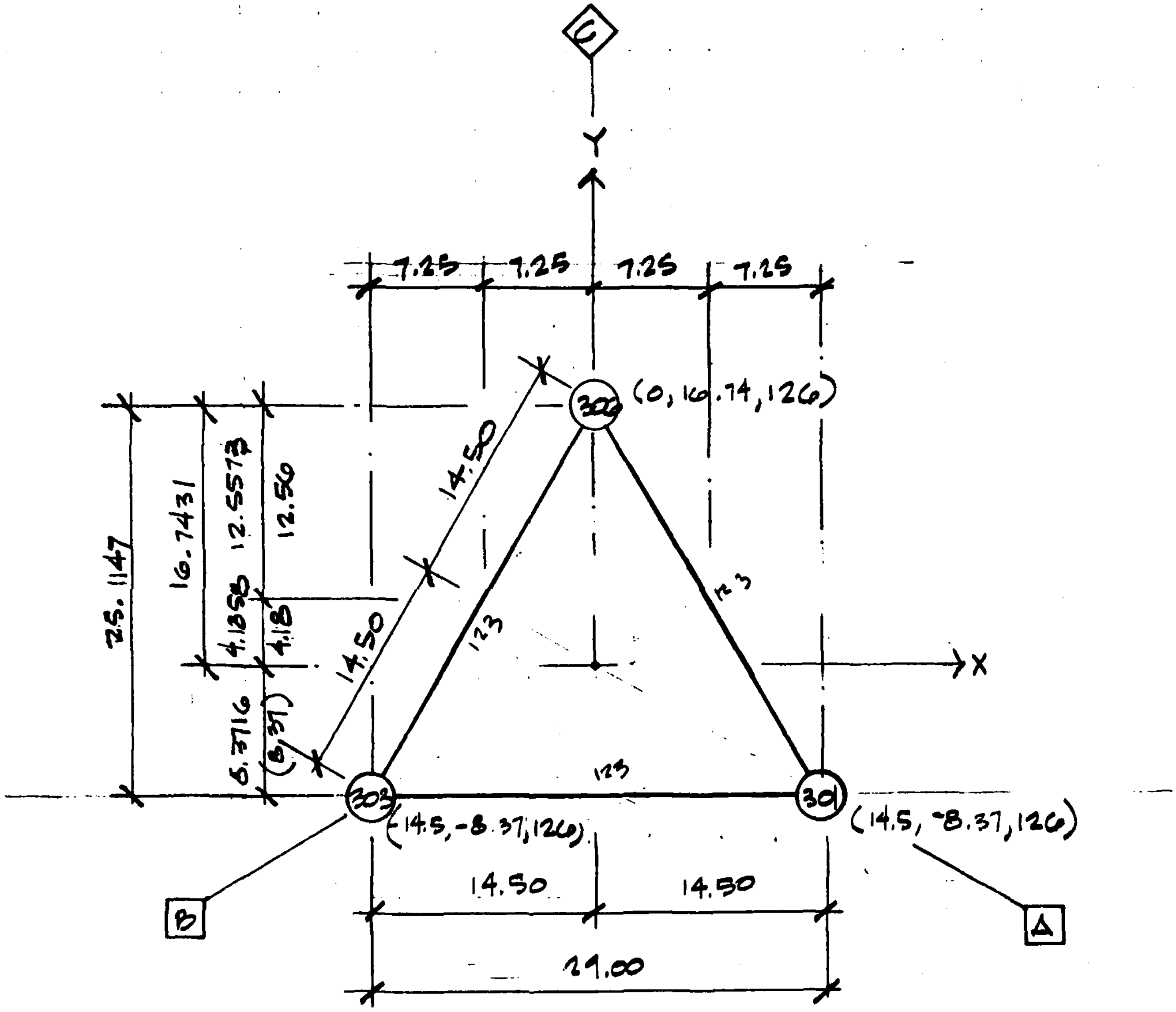
BRACING @ ELEV. (+)60'-0 (141.0')
EQUIPMENT DECK

CREST OFFSHORE, INC.

Sheet ___ of ____

By ____ Client U.S. NAVY Subject Design of ___ Structure

Date ___ Job No. 21-771-94 Calculation Structural Idealization



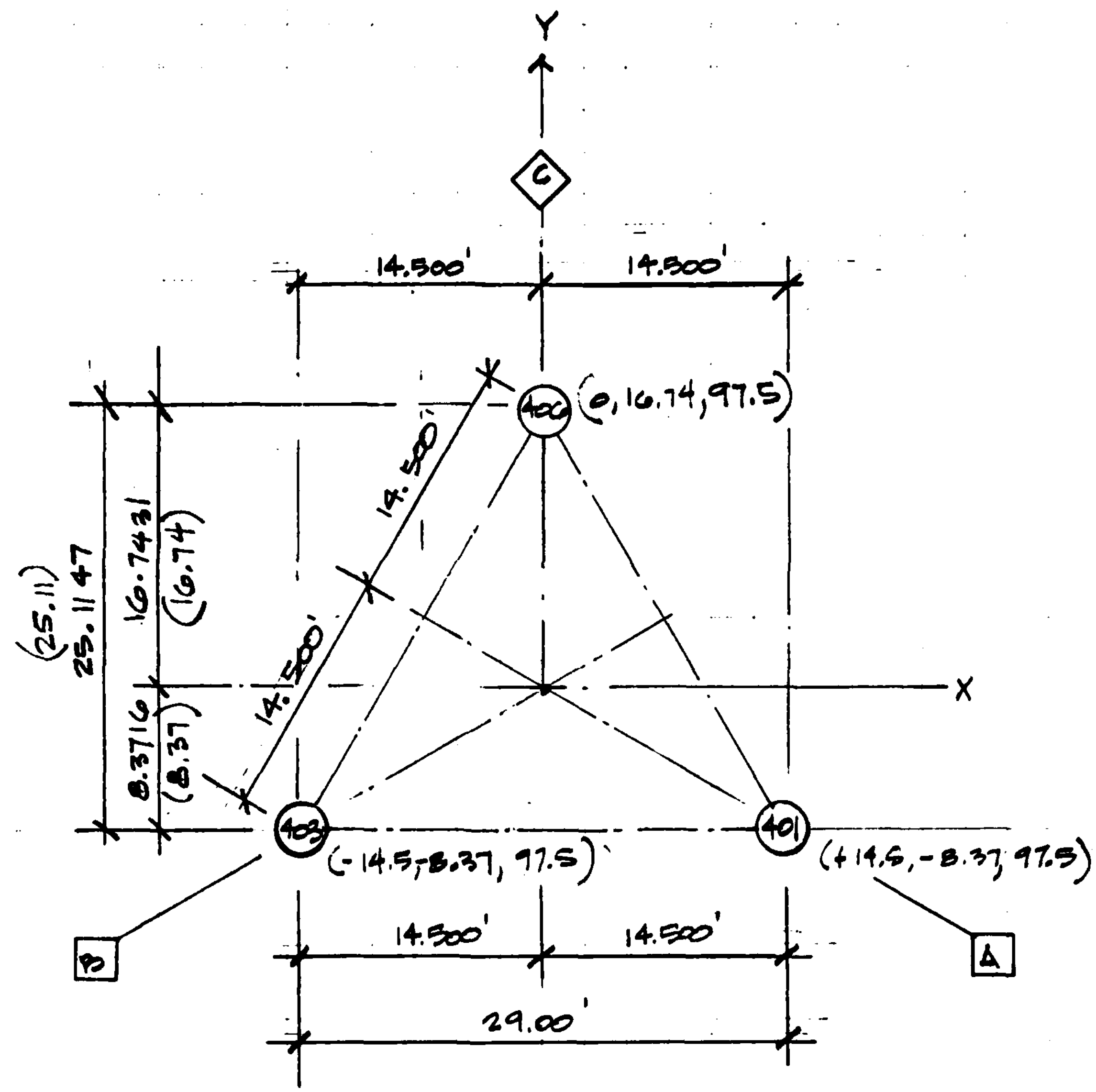
BRACING @ ELEV. (+) 45'-0 (126.0')

CREST OFFSHORE, INC.

Sheet 2-27 of ____

By VM Client U.S. NAVY Subject Design of 81' MLW Structure

Date 6-2-76 Job No. 27-771-94 Calculation [illegible]



PLAN @ ELEV. (+) 16'-6 (97.5')

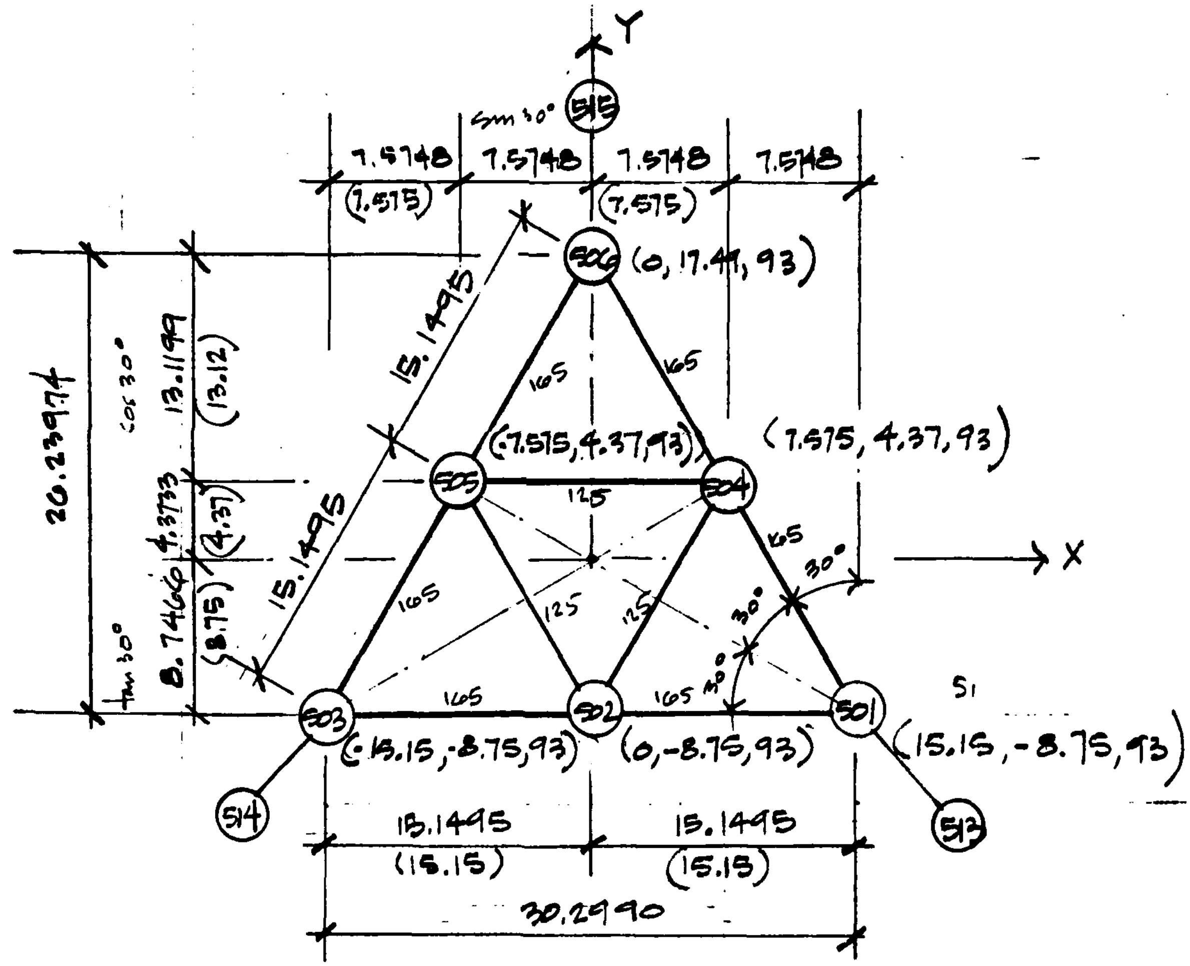
WORK POINT

CREST OFFSHORE, INC.

Sheet 3.03 of ____

By ____ Client U.S. Navy Subject Design of 81' Multi Structure

Date 6.2.76 Job No. 27-171-94 Calculation Structural [illegible]



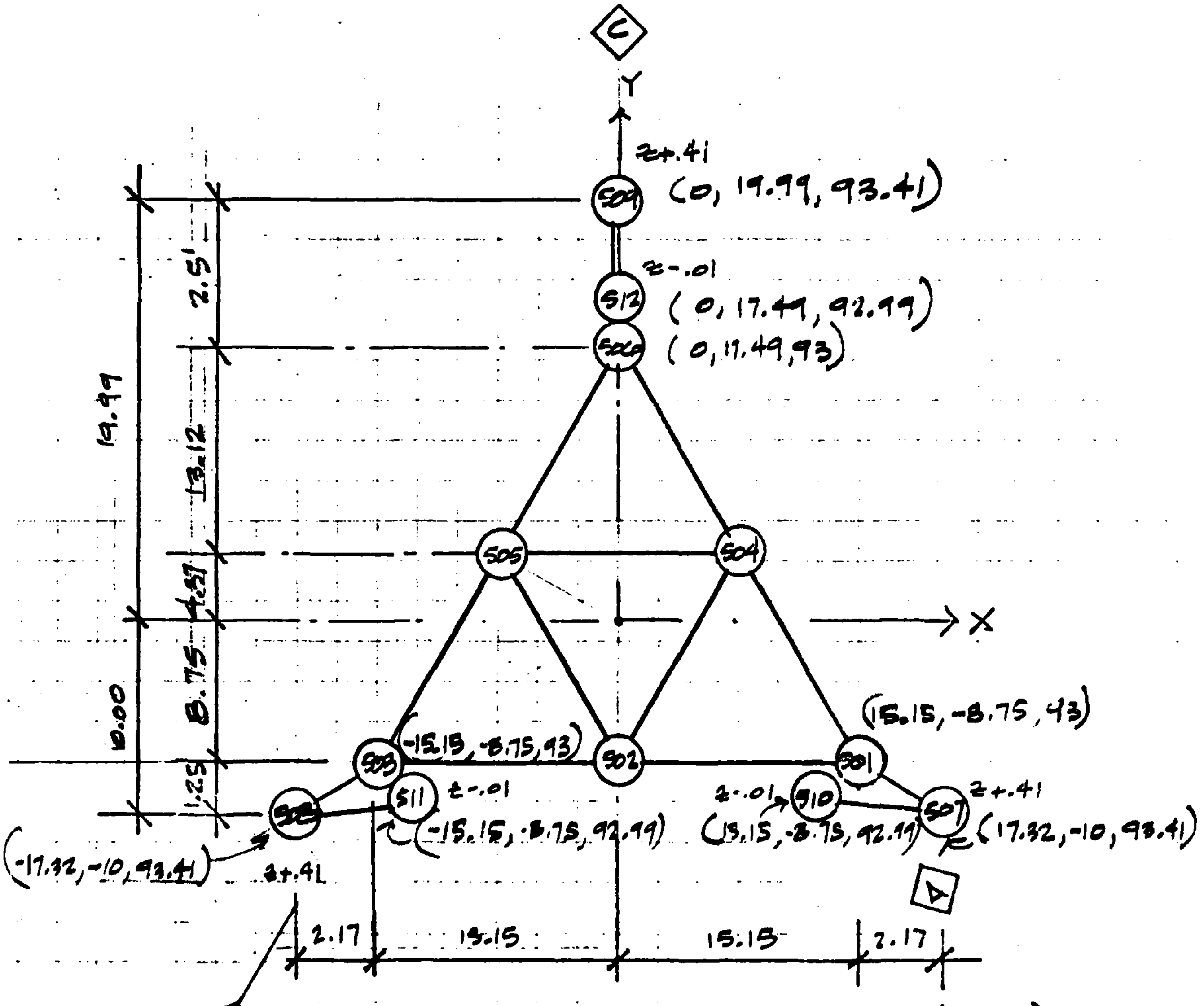
BRACING @ ELEV. (+)12'-0 (93.00')

CREST OFFSHORE, INC.

Sheet 3.09 of ____

By WD Client U.S. Navy Subject Design of 81' MLW Structure

Date 6-21-76 Job No. 21771-97 Calculation Structure Identification



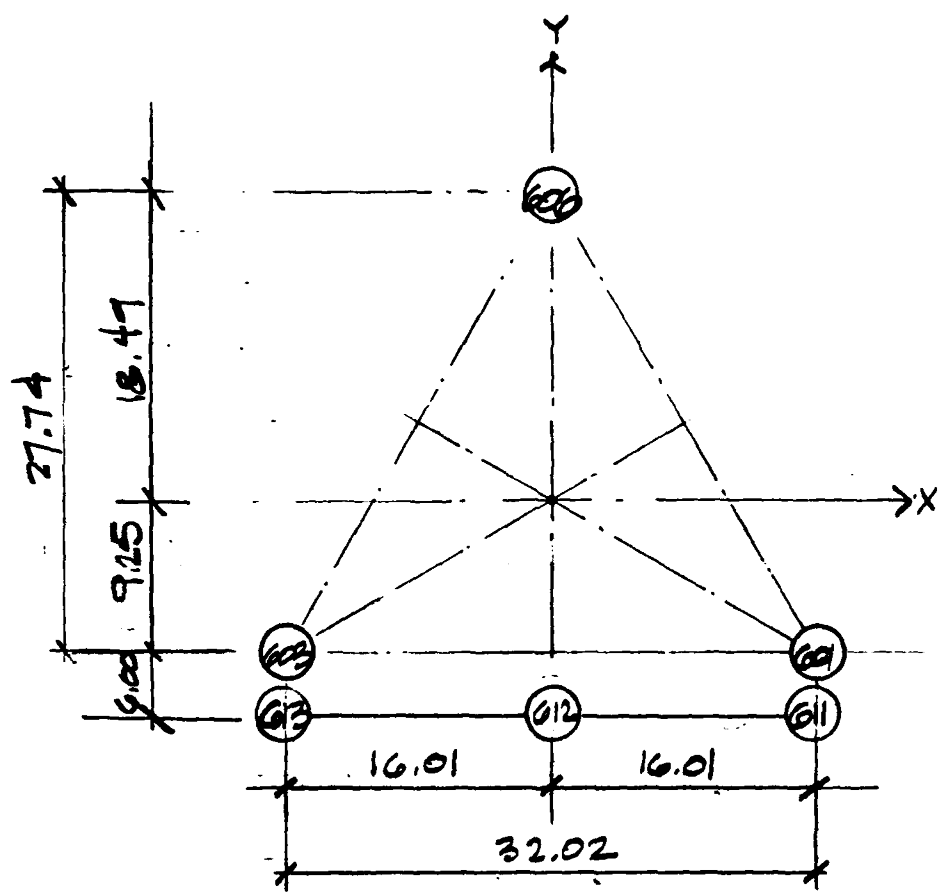
WISH BONES - ELEV. (+) 12'-0 (93.00')

CREST OFFSHORE, INC.

Sheet 3.10 of ____

By JWS Client U.S. Navy Subject Design of Structure

Date 6-3-76 Job No. 31-771-94 Calculation



PLAN @ ELEV. (+) 6'-0

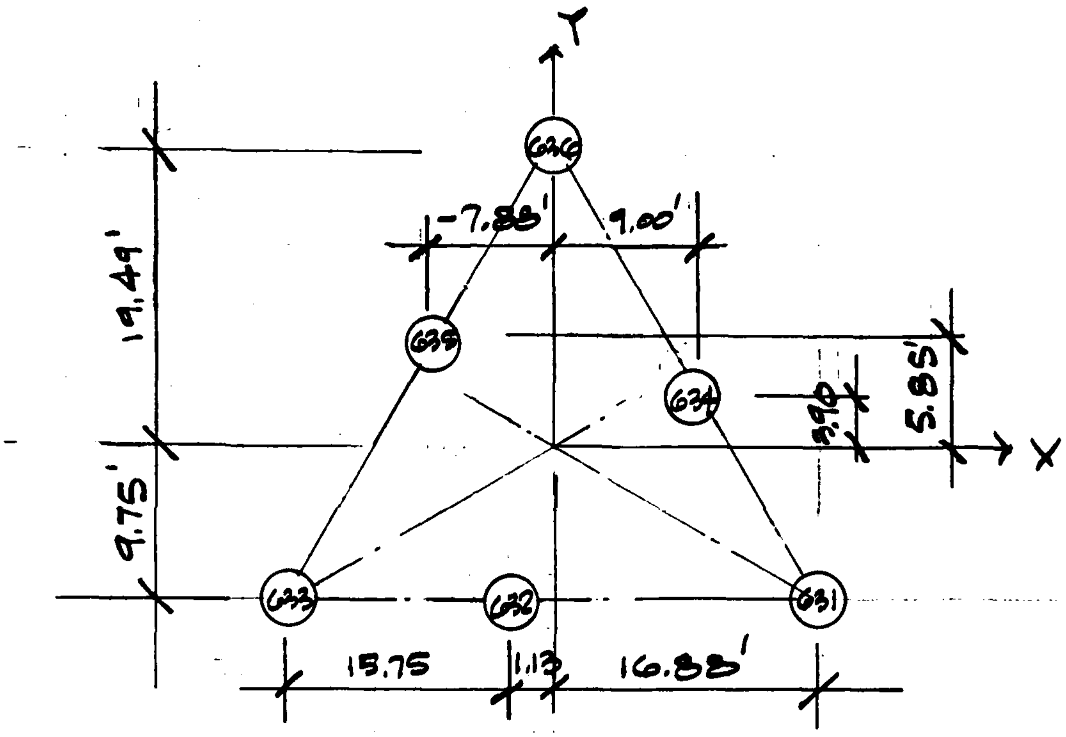
TOP OF BOAT LANDING

CREST OFFSHORE, INC.

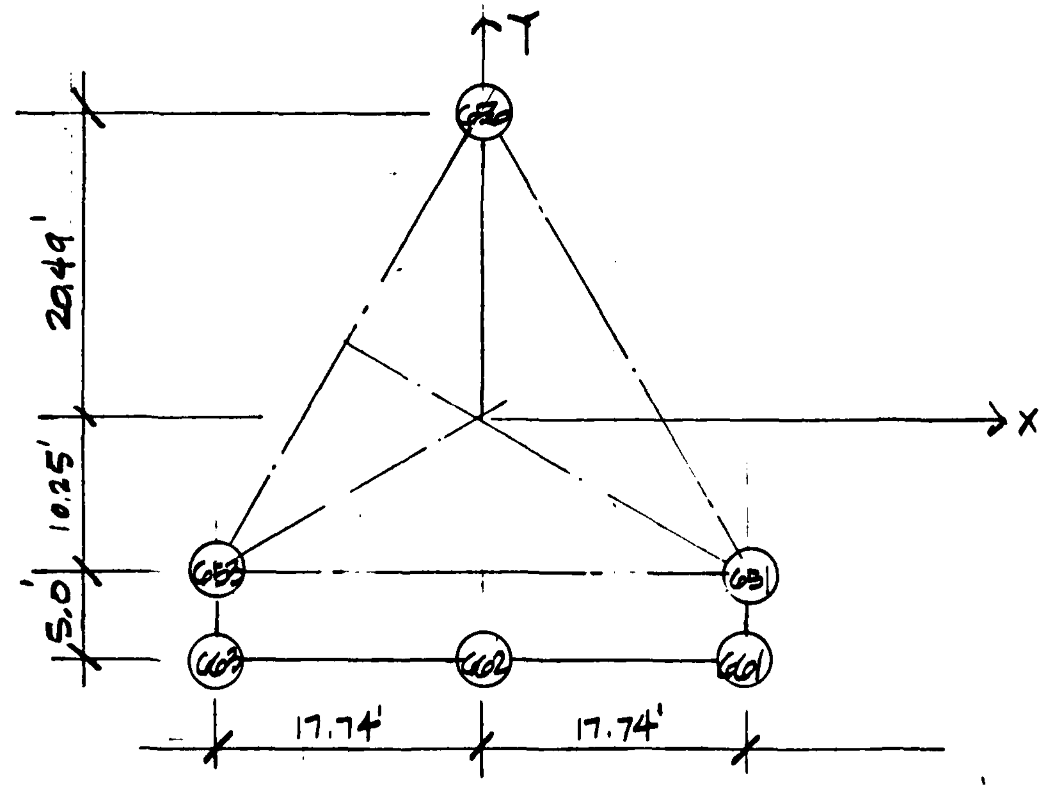
Sheet 3.11 of ____

By JWS Client US NAVY Subject DESIGN OF 81' MLW STRUCTURE

Date 9.6.76 Job No. 22-771-94 Calculation ______



PLAN AT ELEV. (±) 0'-0" (M.L.W.)

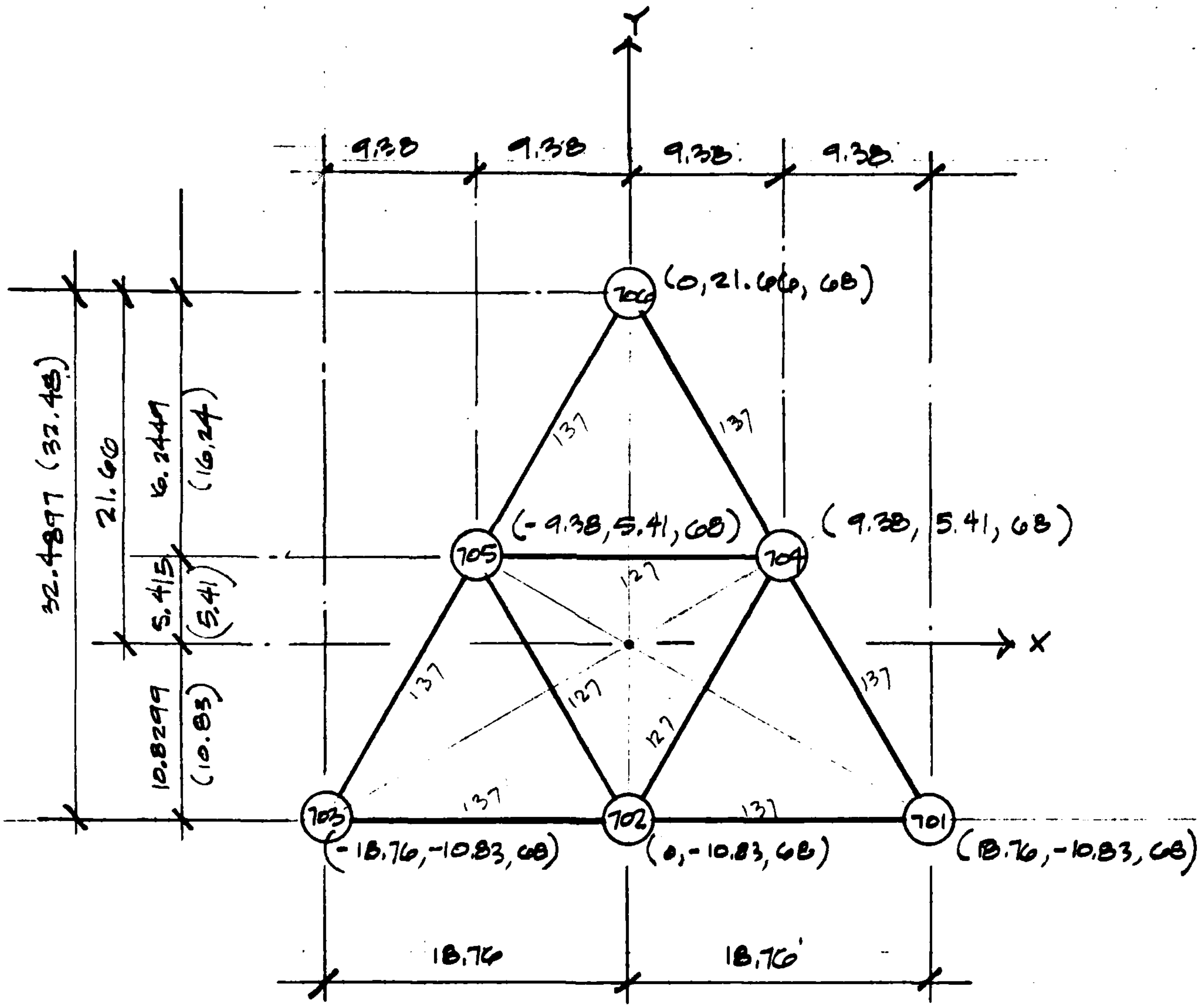


PLAN AT ELEV (-) 6'-0" (75.0)

CREST OFFSHORE, INC.

Sheet 3.12 of ____

By WLS Client U.S. NAVY Subject Design of 8L NLW Structure
Date 6.21.76 Job No. 21-77-94 Calculation Structural Idealization



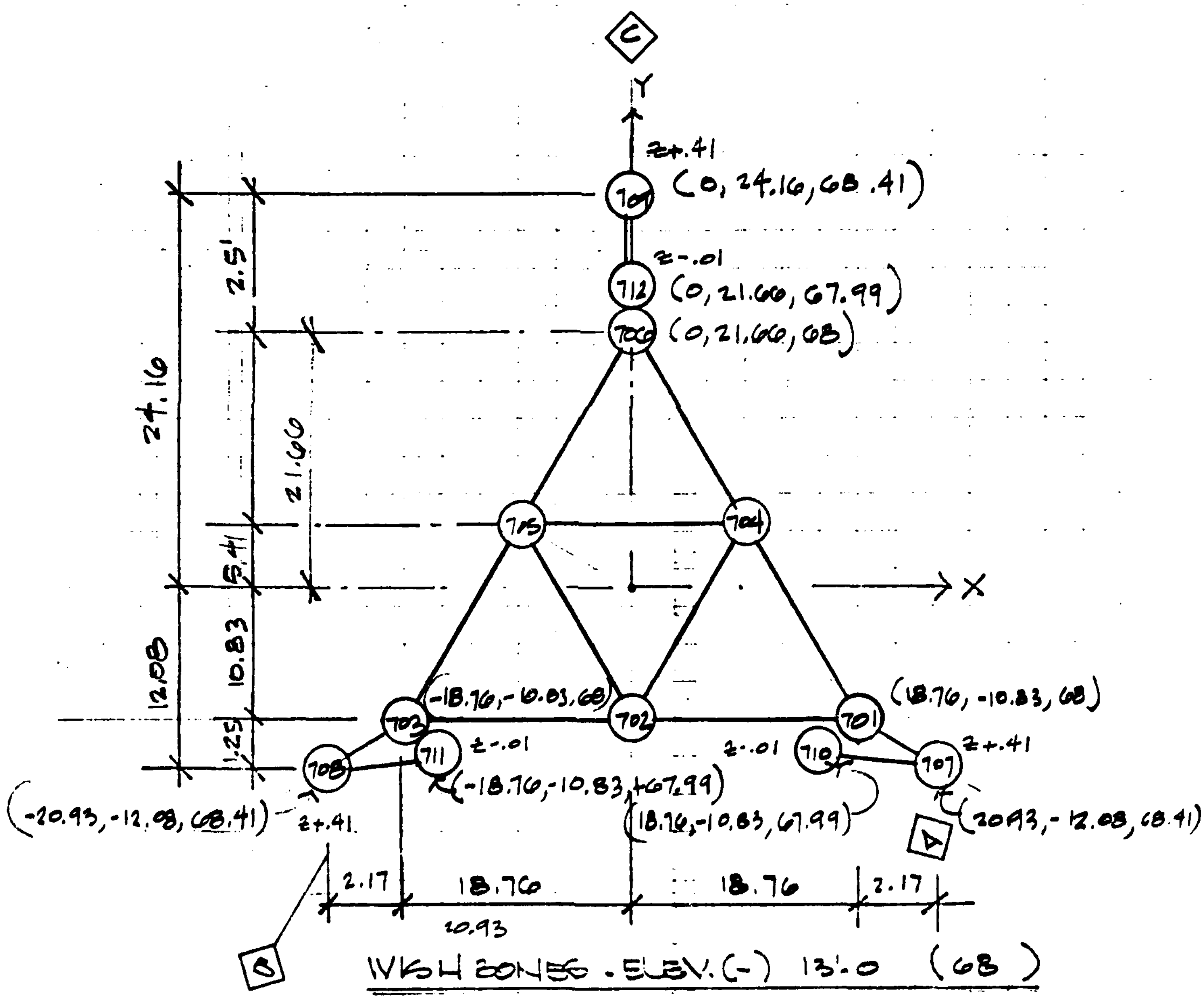
BRACING @ ELEV. (-) 13'-0 (68)

CREST OFFSHORE, INC.

Sheet 2.13 of

By JWS Client U.S. NAVY Subject Design of 81' MCW Structure

Date 6-21-76 Job No. 23-111-94 Calculation Structural Idealization



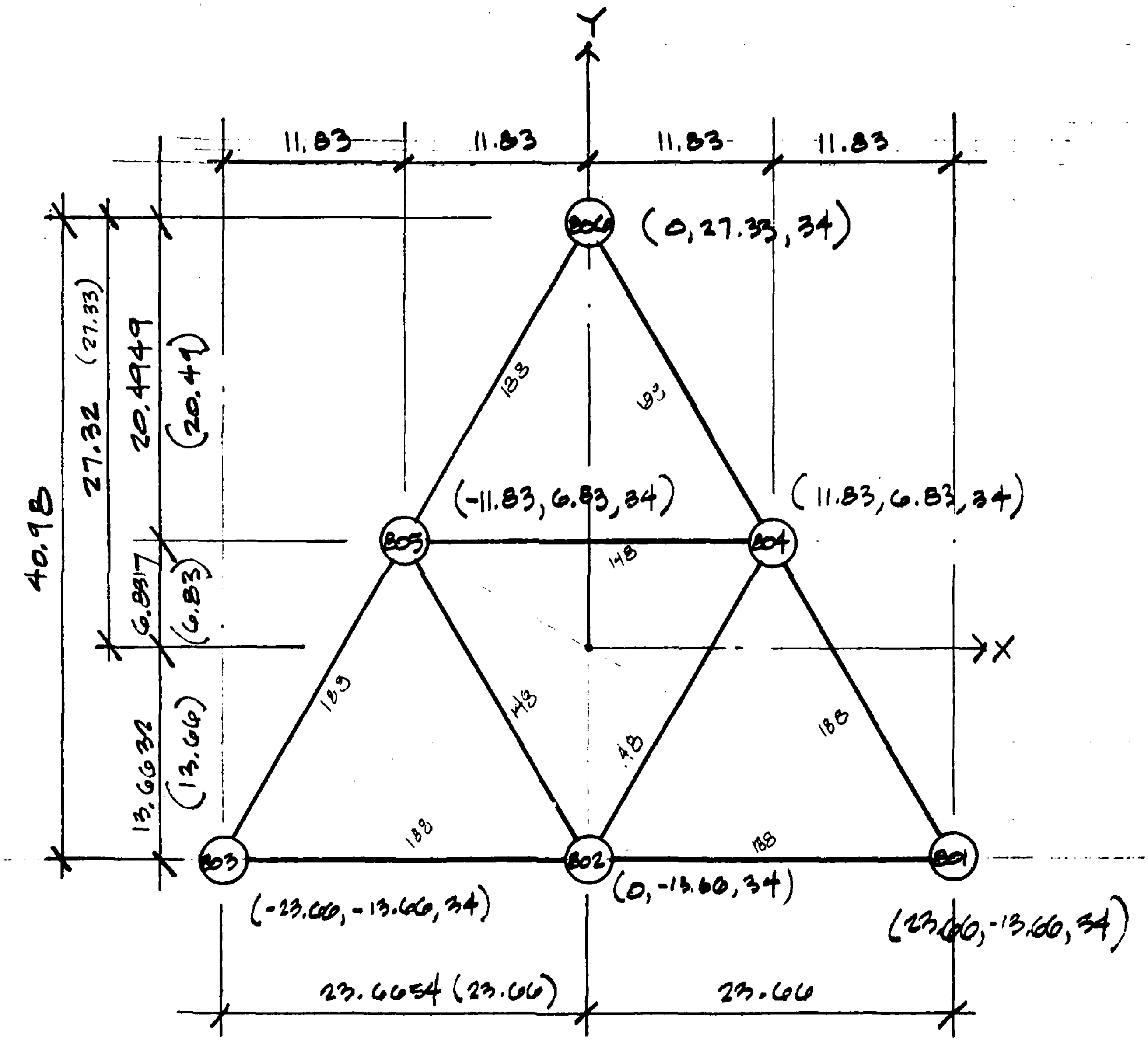
WASH ZONES - ELEV. (-) 13'-0 (68)

CREST OFFSHORE, INC.

Sheet 14 of

By ______ Client U.S. Navy Subject Design of ... Calculation Structural ...

Date 6-21-76 Job No. 27-71-94

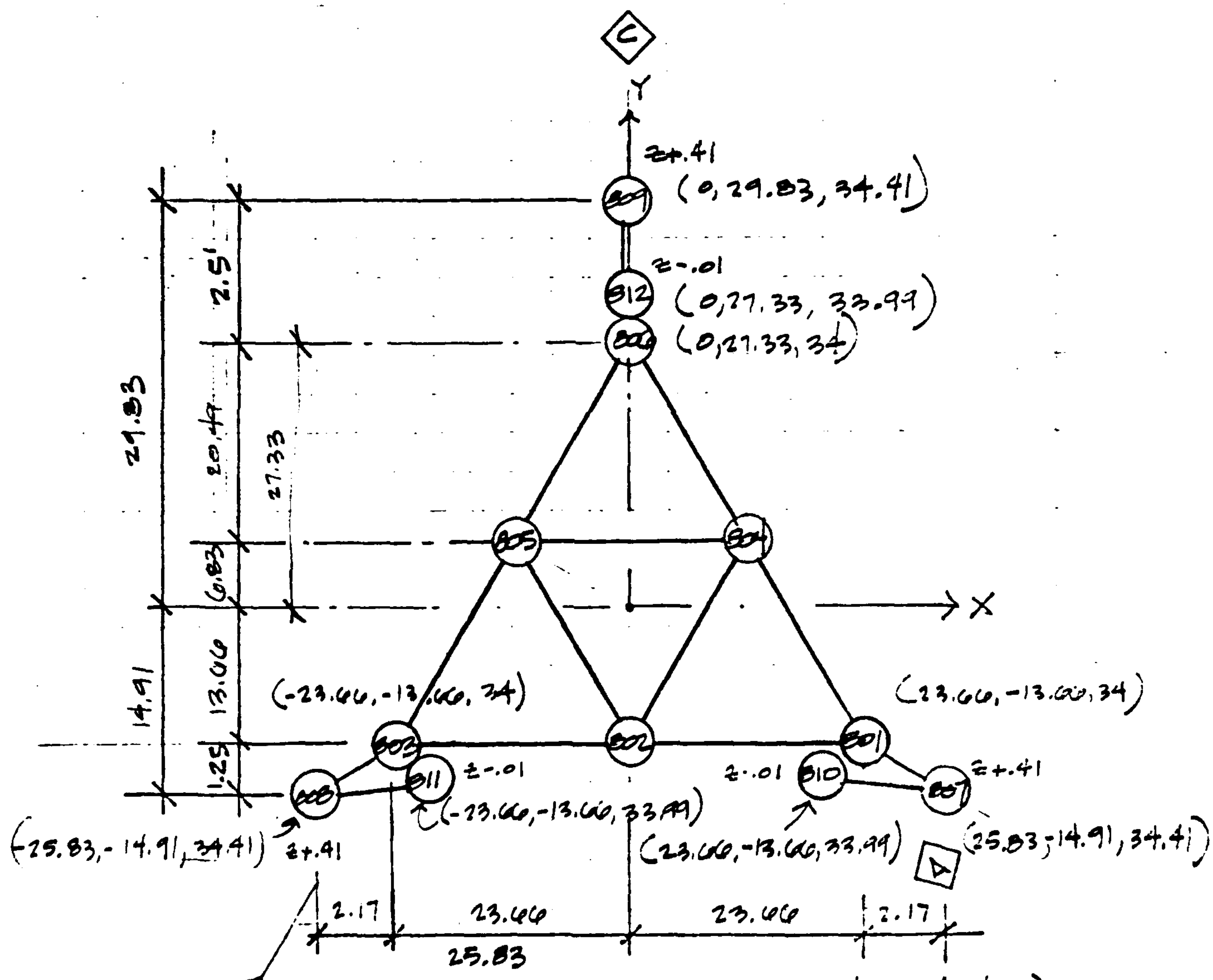


BRACING @ ELEV. (-) 47'-0 (34.0)

CRESTOFFSHORE, INC.

Sheet 15 of

By JWZ Client U.S. NAVY Subject Design of [illegible] Structure
Date 6.21.76 Job No. 27-351-94 Calculation Structural [illegible]



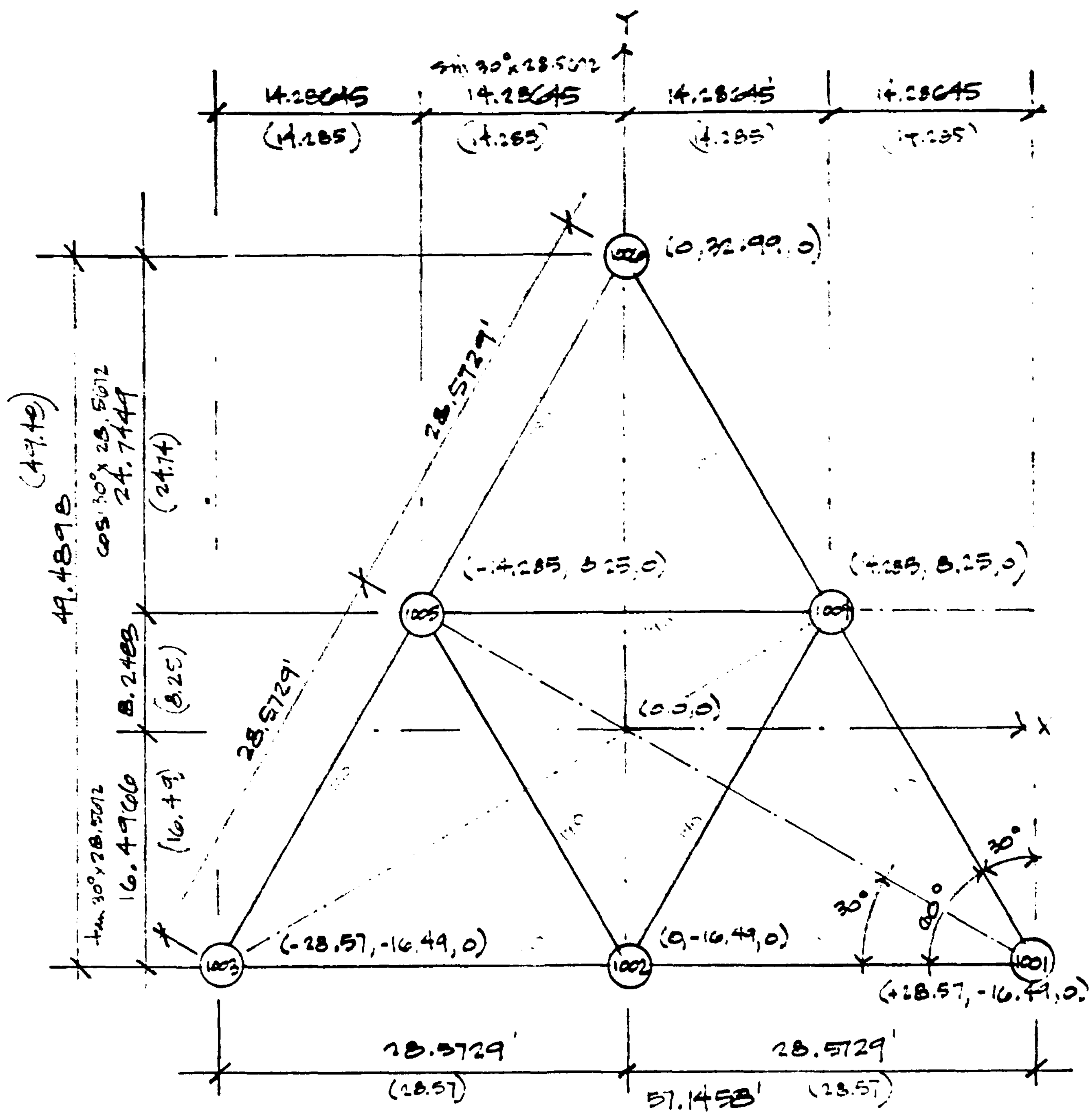
WISH BONES - ELEV. (-) 47'-0 (34.0)

CRESTOFFSHORE, INC.

Sheet ___ of ___

By ___ Client ___ Subject ___

Date ___ Job No. ___ Calculation ___



BRACING @ ELEV. (-) 81'-0 [0]

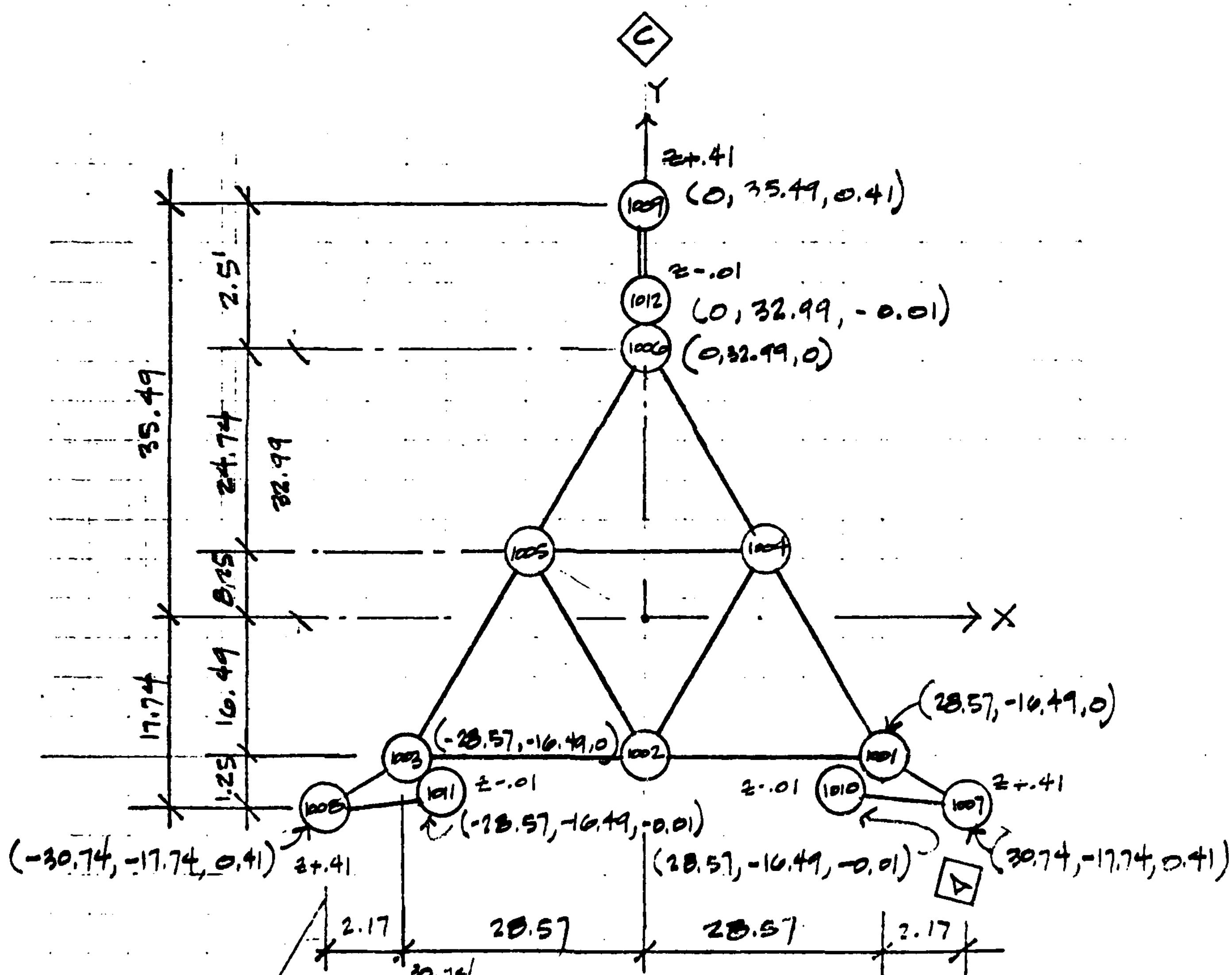
97.5 fr. W.D.

CRET OFFSHORE, INC.

By ______ Client U.S. NAVY Sheet 3.17 of ____

Date ______ Job No. ______ Subject Design of 81' MLW Structure

Calculation ______



WISHBONES . ELEV. (-) 81'-0 (0.0)

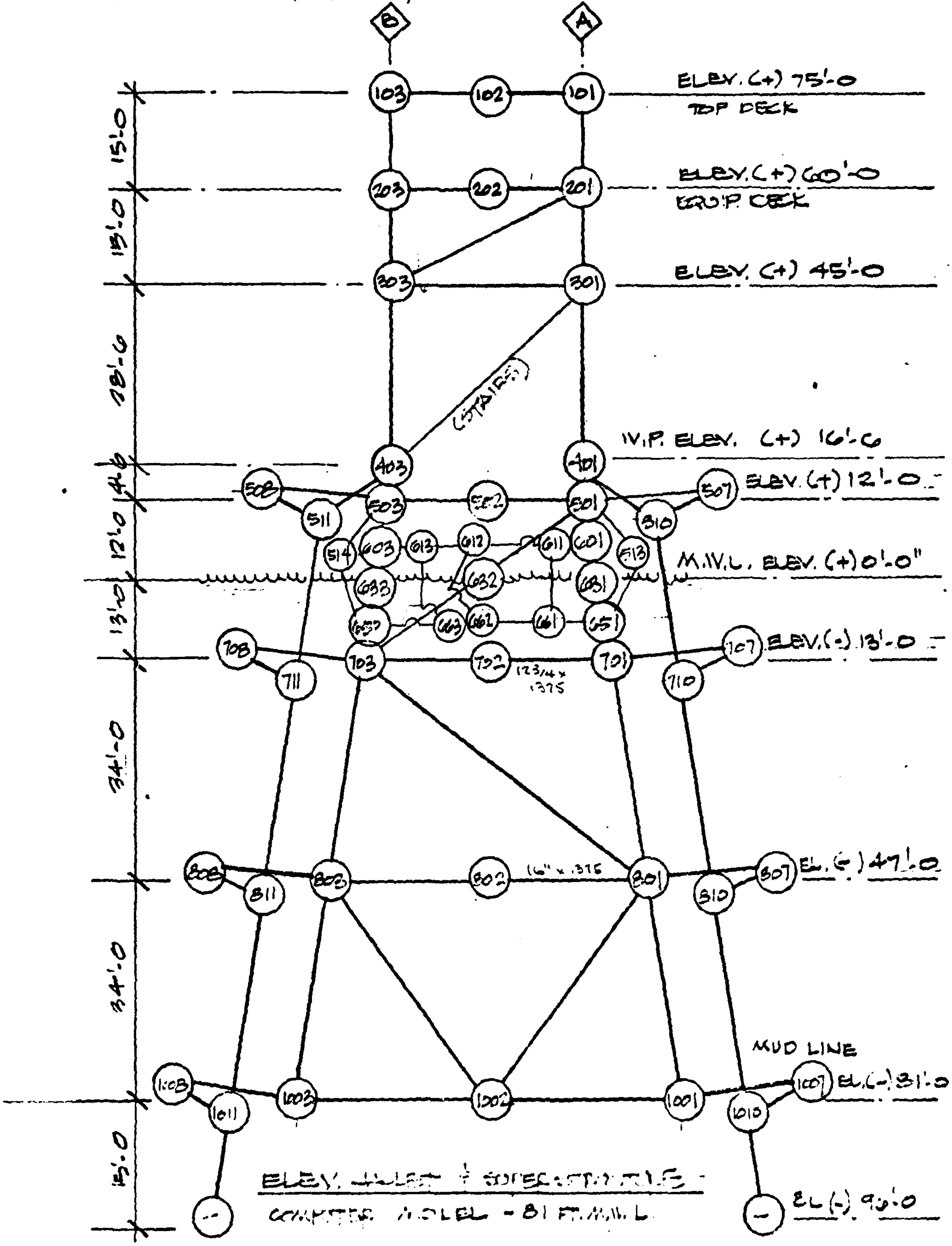
MUDLINE

CREST OFFSHORE, INC.

Sheet 318 of ____

By WG Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE

Date 8-24-76 Job No. 27-771-94 Calculation ________________



ELEV. JACKET & SUPERSTRUCTURE

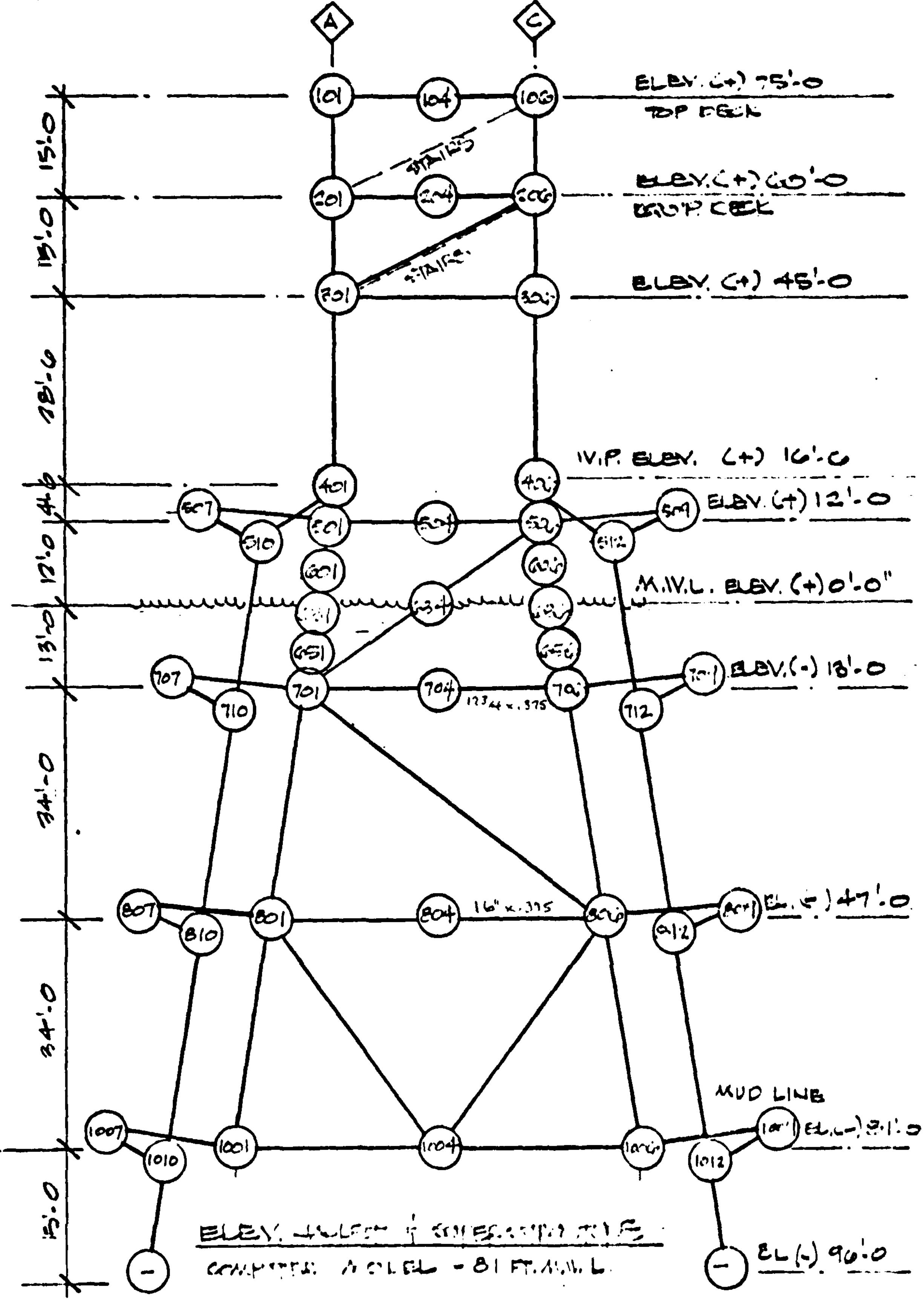
COMPUTER MODEL - 81 FT. M.W.L.

CREST OFFSHORE, INC.

Sheet 3 of ____

By JMS Client U.S. NAVY Subject [illegible]

Date [illegible] Job No. [illegible] Calculation ____



ELEV. [illegible]

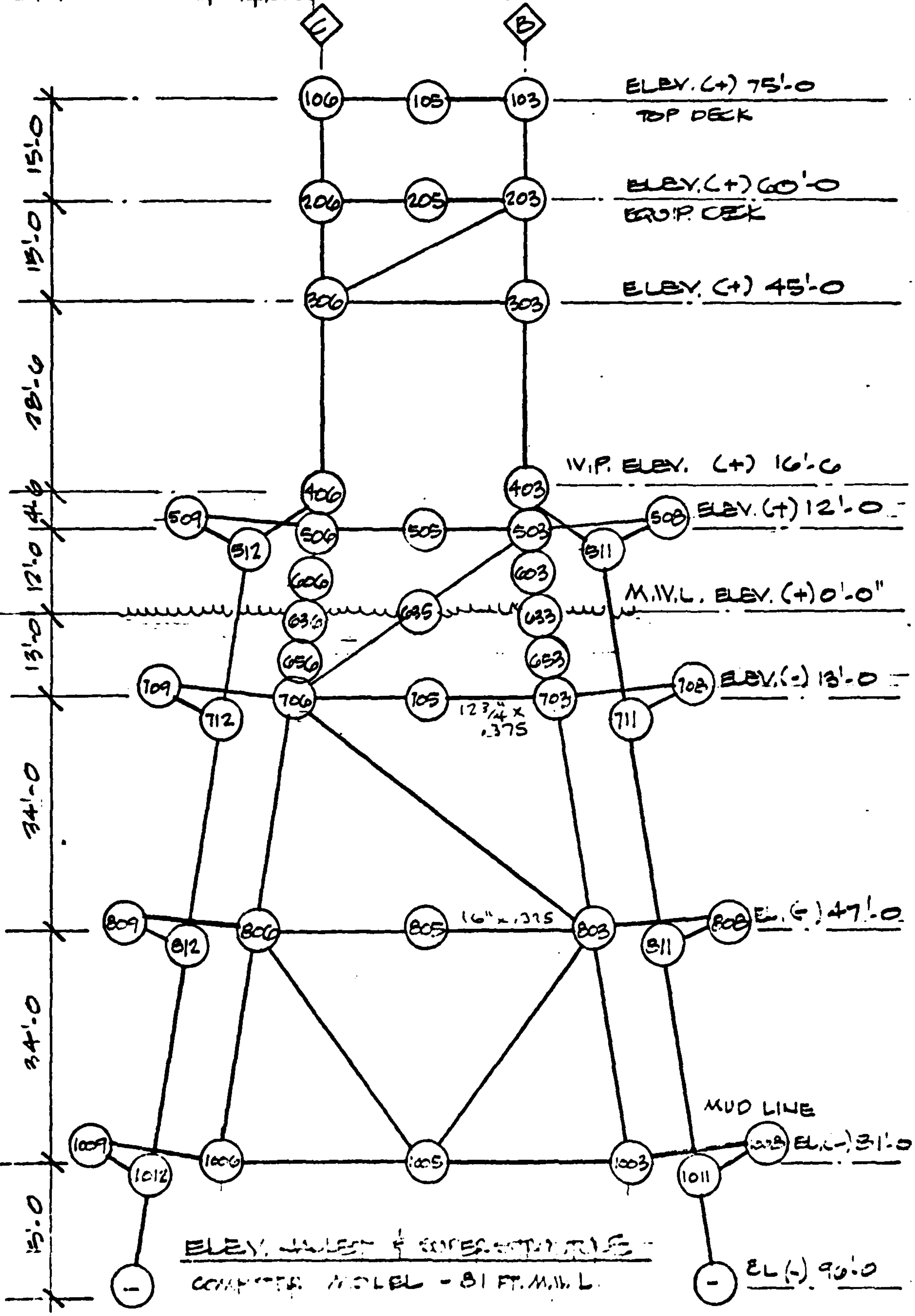
COMPUTER: [illegible] - 81 FT. M.W.L.

CREST OFFSHORE, INC.

Sheet 3-2 of ____

By ______ Client U.S. NAVY Subject DESIGN OF 81 MLW STRUCTURE

Date 6-24-76 Job No. 27-771-94 Calculation ____________



ELEV. JACKET & SUPERSTRUCTURE

COMPUTER MODEL - 81 FT. M.W.L.

S T R A N   I N P U T   D A T A

PAGE 1
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1 OPTIONS  7 8 910
  2 ANOD
  3 ANOD      7 1.333   8 1.333   9 1.333  10 1.333
  4 SECT
  5 SECT W15MDUN   PRI  5000 3000000 3000000 3000000   1000          500
  6 SECT DJMYPIL   TUB 13640 4125028 2062514 2062514   3600 1250
  7 SECT W16X50    WFC  1620     125   80200    4020    750  570  1800  358   50
  8 SECT W8X24     WFC   706      54    6250    1020    650  398   793  245   50
  9 SECT W6X15     WFC   456      11    3010     967    600  269   600  235   50
 10 GROP
 11 GROP 098            862   500  29   116  56          100 100       5000
 12 GROP 106           1075   844  29   116  56          100 100       5000
 13 GROP 120           1275   500  29   116  56           80 100       5000
 14 GROP 123           1275   500  29   116  56           80  80       5000
 15 GROP 125           1075   365  29   116  56           80  80       5000
 16 GROP 127           1075   365  29   116  56           80  80       5000
 17 GROP 137           1275   375  29   116  56          160  80       5000
 18 GROP 140           1400   375  29   116  56           80  80       5000
 19 GROP 148           1075   365  29   116  56           80  80       5000
 20 GROP 140           1075   365  29   116  56           80  80       5000
 21 GROP 160           1600   500  29   116  56           80  80       5000
 22 GROP 165           1500   625  29   116  56          160  80       5000
 23 GROP 158           1500   500  29   116  56          160  80       5000
 24 GROP 180           1900   500  29   116  56          160  80       5000
 25 GROP 200           2900   625  29   116  56           80  80       5000
 26 GROP 219           2900   750  29   116  56           80  80       5000
 27 GROP DAL           3000  1000  29   116  56          100 100       5000
 28 GROP  P1           4200  1750  29   116  56          100 100       5000
 29 GROP  P2           4200  2000  29   116  56          100 100       5000
 30 GROP  P3 DJMYPIL               29   116  56          100 100       5000
 31 GROP JL4           4800  1750  29   116  56          100 100       5000
 32 GROP JL5           4700  1000  29   116  56          100 100       5000
 33 GROP JL6           4700  1000  29   116  56          100 100       5000
 34 GROP JL7           4550   500  29   116  56          100 100       5000
 35 GROP JL8           4550   500  29   116  56          100 100       5000
 36 GROP DUM           1800   500  29   116  56          100 100       5000
 37 GROP AUN W15MDUN               29   116  56
 38 GROP W16 W16X50                29   116  56          200  50   01
 39 GROP W08 W8X24                 29   116  56          100 100   01
 40 GROP W06 W6X15                 29   116  56          100 100   01
 41 MEMBER
 42 MEMBER  101 102 W18
 43 MEMBER  102 103 W18
 44 MEMBER  103 105 W18
 45 MEMBER  105 106 W18
 46 MEMBER  101 104 W18
 47 MEMBER  104 106 W18
 48 MEMBER  102 104 W08
 49 MEMBER  102 105 W08
```

3.21

S T R A N   I N P U T   D A T A

3-PILE ACMN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  50  MEMBER  104 105 M08
  51  MEMBER  201 202 M18
  52  MEMBER  202 203 M18
  53  MEMBER  203 205 M18
  54  MEMBER  205 206 M18
  55  MEMBER  201 204 M18
  56  MEMBER  204 206 M18
  57  MEMBER  202 204 M08
  58  MEMBER  202 205 M08
  59  MEMBER  204 205 M08
  60  MEMBER  201 303 120                                                   2400
  61  MEMBER  203 306 120                                                   24
  62  MEMBER  206 301 120                                                   3600
  63  MEMBER  301 403 120SK                                                 2400
  64  MEMBER  106 201 120SK                                                 2400
  65  MEMBER  301 303 125                                                   20
  66  MEMBER  303 306 125                                                   20
  67  MEMBER  301 306 125                                                   20
  68  MEMBER  501 502 165                                                   1600
  69  MEMBER  502 503 165                                                   1600
  70  MEMBER  503 505 165                                                   1600
  71  MEMBER  505 506 165                                                   1600
  72  MEMBER  501 504 165                                                   1600
  73  MEMBER  504 506 165                                                   1600
  74  MEMBER  502 504 125                                                   1075
  75  MEMBER  502 505 125                                                   1075
  76  MEMBER  504 505 125                                                   1075
  77  MEMBER  501 507 806SK                                                 0000
  78  MEMBER  507 510 806SK          1111                                   0000
  79  MEMBER  503 508 806SK                                                 0000
  80  MEMBER  506 511 806SK          1111                                   0000
  81  MEMBER  505 509 806SK                                                 0000
  82  MEMBER  509 512 806SK          1111                                   0000
  83  MEMBER  501 513 125SK                                                 1200
  84  MEMBER  503 514 125SK                                                 1200
  85  MEMBER  513 651 80MSK                                                 40
  86  MEMBER  514 653 80MSK                                                 40
  87  MEMBER  601 611 106SK                                                 1400
  88  MEMBER  603 613 106SK                                                 1400
  89  MEMBER  651 661 106SK                                                 1757
  90  MEMBER  653 663 106SK                                                 1757
  91  MEMBER  611 612 086SK                                                 1200
  92  MEMBER  612 613 086SK                                                 1200
  93  MEMBER  661 662 086SK                                                 2080
  94  MEMBER  662 663 086SK                                                 2080
  95  MEMBER  611 661 106SK                                                 3000
  96  MEMBER  612 662 106SK                                                 2000
  97  MEMBER  613 663 106SK                                                 3000
  98  MEMBER  501 652 210                                                   2000
```

3.22

STRAN INPUT DATA

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    99    MEMBER  505 655 210                                                  2000
   100    MEMBER  505 654 210                                                  2000
   101    MEMBER  652 703 210                                                  3032
   102    MEMBER  655 706 210                                                  3032
   103    MEMBER  654 711 210                                                  3032
   104    MEMBER  701 702 137                                                  2033
   105    MEMBER  702 703 137                                                  2033
   106    MEMBER  703 705 137                                                  2033
   107    MEMBER  705 706 137                                                  2033
   108    MEMBER  701 704 137                                                  2033
   109    MEMBER  704 706 137                                                  2033
   110    MEMBER  702 704 127                                                  1757
   111    MEMBER  702 705 127                                                  1757
   112    MEMBER  704 705 127                                                  1757
   113    MEMBER  701 707 ABNSK                                                0000
   114    MEMBER  707 710 ABNSK        1111                                    0000
   115    MEMBER  703 708 ABNSK                                                0000
   116    MEMBER  708 711 ABNSK        1111                                    0000
   117    MEMBER  706 709 ABNSK                                                0000
   118    MEMBER  709 712 ABNSK        1111                                    0000
   119    MEMBER  701 806 200                                                  3032
   120    MEMBER  703 801 200                                                  3032
   121    MEMBER  706 803 200                                                  3032
   122    MEMBER  801 802 168                                                  2481
   123    MEMBER  802 803 168                                                  2481
   124    MEMBER  803 805 168                                                  2481
   125    MEMBER  805 806 168                                                  2481
   126    MEMBER  801 804 168                                                  2481
   127    MEMBER  804 806 168                                                  2481
   128    MEMBER  802 804 148                                                  1757
   129    MEMBER  802 805 148                                                  1757
   130    MEMBER  804 805 148                                                  1757
   131    MEMBER  801 807 ABNSK                                                0000
   132    MEMBER  807 810 ABNSK        1111                                    0000
   133    MEMBER  803 808 ABNSK                                                0000
   134    MEMBER  808 811 ABNSK        1111                                    0000
   135    MEMBER  806 809 ABNSK                                                0000
   136    MEMBER  809 812 ABNSK        1111                                    0000
   137    MEMBER  8011002 160                                                  2481
   138    MEMBER  8031002 160                                                  2481
   139    MEMBER  8031005 160                                                  2481
   140    MEMBER  8061005 160                                                  2481
   141    MEMBER  8011004 160                                                  2481
   142    MEMBER  8061004 160                                                  2481
   143    MEMBER 10011002 180                                                  2757
   144    MEMBER 10021003 180                                                  2757
   145    MEMBER 10031005 180                                                  2757
   146    MEMBER 10051006 180                                                  2757
   147    MEMBER 10011004 180                                                  2757
```

3.23

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     148  MEMBER 10041006 180                                                  2757
     149  MEMBER 10021004 140                                                  1757
     150  MEMBER 10021005 140                                                  1757
     151  MEMBER 10041005 140                                                  1757
     152  MEMBER 10011007 KBNSK                                                0000
     153  MEMBER 10071010 KBNSK      1111                                      0000
     154  MEMBER 10031008 KBNSK                                                0000
     155  MEMBER 10081011 KBNSK      1111                                      0000
     156  MEMBER 10061009 KBNSK                                                0000
     157  MEMBER 10091012 KBNSK      1111                                      0000
     158  MEMBER  101 201 DKL                                                  3000
     159  MEMBER  103 203 DKL                                                  3000
     160  MEMBER  106 206 DKL                                                  3000
     161  MEMBER  201 301 DKL                                                  3000
     162  MEMBER  203 303 DKL                                                  3000
     163  MEMBER  206 306 DKL                                                  3000
     164  MEMBER  301 401 DKL                                                  3000
     165  MEMBER  303 403 DKL                                                  3000
     166  MEMBER  306 406 DKL                                                  3000
     167  MEMBER  401 501 JL4                                               F  4800
     168  MEMBER  403 503 JL4                                               F  4800
     169  MEMBER  406 506 JL4                                               F  4800
     170  MEMBER  501 601 JL5                                               F  4750
     171  MEMBER  503 603 JL5                                               F  4750
     172  MEMBER  506 606 JL5                                               F  4750
     173  MEMBER  601 651 JL5                                               F  4750
     174  MEMBER  603 653 JL5                                               F  4750
     175  MEMBER  606 656 JL5                                               F  4750
     176  MEMBER  651 651 JL6                                                  6621
     177  MEMBER  653 653 JL6                                                  6621
     178  MEMBER  656 656 JL6                                                  6621
     179  MEMBER  651 701 JL6                                                  6621
     180  MEMBER  653 703 JL6                                                  6621
     181  MEMBER  656 706 JL6                                                  6621
     182  MEMBER  701 801 JL7                                                  6546
     183  MEMBER  703 803 JL7                                                  6546
     184  MEMBER  706 806 JL7                                                  6546
     185  MEMBER  8011001 JL8                                                  6546
     186  MEMBER  8031003 JL8                                                  6546
     187  MEMBER  8061006 JL8                                                  6546
     188  MEMBER  401 510  P1                                               F  0000 1
     189  MEMBER  403 511  P1                                               F  0000 2
     190  MEMBER  406 512  P1                                               F  0000 3
     191  MEMBER  510 710  P1                                               F  0000 1
     192  MEMBER  511 711  P1                                               F  0000 2
     193  MEMBER  512 712  P1                                               F  0000 3
     194  MEMBER  710 810  P2                                               F  0000 1
     195  MEMBER  711 811  P2                                               F  0000 2
     196  MEMBER  712 812  P2                                               F  0000 3
```

3.24

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    197 MEMBER  5101010  P2                                                   F  0000 1
    198 MEMBER  5111011  P2                                                   F  0000 2
    199 MEMBER  5121012  P2                                                   F  0000 3
    200 FOUND
    201 LYRG      5   0.02      0.05      0.005
    202 PILE   1010 230.0      29.00     11.0
    203 PROP          42.0      42.0      2.00    20.0
    204 PROP          42.0      42.0      1.75    70.0
    205 PROP          42.0      42.0      1.50   200.0
    206 PY        2    0.0
    207 FORCE          0.0       0.0
    208 DEFL           0.0      20.0
    209 PY        2    5.0
    210 FORCE          0.0       0.0
    211 DEFL           0.0      20.0
    212 PY        8    8.0
    213 FORCE          0.0      68.0     123.0    150.0    168.0    188.0
    214 FORCE        237.0     237.0
    215 DEFL           0.0      0.019    0.095     0.25     0.41     0.70
    216 DEFL          1.58     20.00
    217 PY        8   14.0
    218 FORCE          0.0     194.0     545.0    876.0   1122.0   1440.0
    219 FORCE       2274.0    2274.0
    220 DEFL           0.0      0.009    0.085     0.24     0.41     0.70
    221 DEFL          1.58     20.00
    222 PY        8   21.0
    223 FORCE          0.0     453.0    1008.0   1718.0   2210.0   2857.0
    224 FORCE       4572.0    4572.0
    225 DEFL           0.0      0.013    0.090     0.24     0.41     0.70
    226 DEFL          1.58     20.00
    227 PY        8   21.0833
    228 FORCE          0.0     198.0     667.0   1135.0   1469.0   1907.0
    229 FORCE       5051.0    5051.0
    230 DEFL           0.0      0.006    0.085     0.24     0.41     0.70
    231 DEFL          1.58     20.00
    232 PY        8   28.0
    233 FORCE          0.0     408.0    1165.0   1902.0   2455.0   3181.0
    234 FORCE       5069.0    5069.0
    235 DEFL           0.0      0.009    0.086     0.24     0.41     0.70
    236 DEFL          1.58     20.00
    237 PY        8   35.0
    238 FORCE          0.0     732.0    1794.0   2885.0   3711.0   4747.0
    239 FORCE       7675.0    7675.0
    240 DEFL           0.0      0.013    0.090     0.24     0.41     0.70
    241 DEFL          1.58     20.00
    242 PY        8   35.0833
    243 FORCE          0.0    1669.0    2978.0   4535.0   5752.0   7371.0
    244 FORCE      11794.0   11794.0
    245 DEFL           0.0      0.031     0.11     0.25     0.42     0.70
```

1.25

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   240  DEFL          1.50     20.00
   247  PY       8   39.0
   248  FORCE         0.0    2221.0     3726.0    5579.0    7042.0    8997.0
   249  FORCE    14395.0    14395.0
   250  DEFL          0.0       0.057      0.11      0.26      0.42      0.70
   251  DEFL          1.50     20.00
   252  PY       8   56.0
   253  FORCE         0.0    4524.0     6794.0    9794.0   12220.0   15494.0
   254  FORCE    24790.0    24790.0
   255  DEFL          0.0       0.053      0.13      0.27      0.43      0.70
   256  DEFL          1.50     20.00
   257  PY       7   56.0833
   258  FORCE         0.0     774.0     1050.0    1425.0    1934.0    2625.0
   259  FORCE     2625.0
   260  DEFL          0.0       0.075      0.19      0.47      1.18      2.94
   261  DEFL         20.00
   262  PY       7   78.0
   263  FORCE         0.0     774.0     1050.0    1425.0    1934.0    2625.0
   264  FORCE     2625.0
   265  DEFL          0.0       0.075      0.19      0.47      1.18      2.94
   266  DEFL         20.00
   267  PY       8   78.0833
   268  FORCE         0.0    6307.0     9473.0   13656.0   17039.0   21603.0
   269  FORCE    34566.0    34566.0
   270  DEFL          0.0       0.053      0.13      0.27      0.43      0.70
   271  DEFL          1.50     20.00
   272  PY       8  146.0
   273  FORCE         0.0   11794.0    17712.0   25535.0   31859.0   40394.0
   274  FORCE    64631.0    64631.0
   275  DEFL          0.0       0.053      0.13      0.27      0.43      0.70
   276  DEFL          1.50     20.00
   277  PILE  1011 250.0       29.0      11.6
   278  PILE  1012 250.0       29.0      11.6
   279  JOINT
   280  JOINT  101   14.50  -8.37 156.00                       TOP DECK
   281  JOINT  102    0.0   -8.37 156.00                       TOP DECK
   282  JOINT  103  -14.50  -8.37 156.00                       TOP DECK
   283  JOINT  104    7.25   4.18 156.00                       TOP DECK
   284  JOINT  105   -7.25   4.18 156.00                       TOP DECK
   285  JOINT  106    0.0   16.74 156.00                       TOP DECK
   286  JOINT  201   14.50  -8.37 141.00                       BOM DECK
   287  JOINT  202    0.0   -8.37 141.00                       BOM DECK
   288  JOINT  203  -14.50  -8.37 141.00                       BOM DECK
   289  JOINT  204    7.25   4.18 141.00                       BOM DECK
   290  JOINT  205   -7.25   4.18 141.00                       BOM DECK
   291  JOINT  206    0.0   16.74 141.00                       BOM DECK
   292  JOINT  301   14.50  -8.37 126.00                       DK BRACE
   293  JOINT  303  -14.50  -8.37 126.00                       DK BRACE
   294  JOINT  306    0.0   16.74 126.00                       DK BRACE
```

3.26

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.						
295	JOINT	401	14.50	-8.37	97.50	AP LEVEL
296	JOINT	403	-14.50	-8.37	97.50	AP LEVEL
297	JOINT	410	0.0	16.74	97.50	AP LEVEL
298	JOINT	501	15.15	-8.75	93.00	5 LEVEL
299	JOINT	502	0.0	-8.75	93.00	5 LEVEL
300	JOINT	503	-15.15	-8.75	93.00	5 LEVEL
301	JOINT	504	7.58	4.37	93.00	5 LEVEL
302	JOINT	505	-7.58	4.37	93.00	5 LEVEL
303	JOINT	506	0.0	17.49	93.00	5 LEVEL
304	JOINT	507	17.32	-10.00	93.41	5 LEVEL
305	JOINT	508	-17.32	-10.00	93.41	5 LEVEL
306	JOINT	509	0.0	19.99	93.41	5 LEVEL
307	JOINT	510	15.15	-8.75	92.99	5 LEVEL
308	JOINT	511	-15.15	-8.75	92.99	5 LEVEL
309	JOINT	512	0.0	17.49	92.99	5 LEVEL
310	JOINT	513	17.74	-10.25	93.00	BRG BMPR
311	JOINT	514	-17.74	-10.25	93.00	BRG BMPR
312	JOINT	601	16.01	-9.25	87.00	BOAT LDG
313	JOINT	603	-16.01	-9.25	87.00	BOAT LDG
314	JOINT	606	0.0	18.49	87.00	EXTRA JT
315	JOINT	611	16.01	-15.25	87.00	BOAT LDG
316	JOINT	612	0.0	-15.25	87.00	BOAT LDG
317	JOINT	613	-16.01	-15.25	87.00	BOAT LDG
318	JOINT	631	13.50	-9.75	81.00	M.L.W.
319	JOINT	632	-1.13	-9.75	81.00	M.L.W.
320	JOINT	633	-13.50	-9.75	81.00	M.L.W.
321	JOINT	634	9.00	3.90	81.00	M.L.W.
322	JOINT	635	-7.49	5.05	81.00	M.L.W.
323	JOINT	636	0.0	14.49	81.00	M.L.W.
324	JOINT	651	17.74	-10.25	75.00	BOAT LDG
325	JOINT	653	-17.74	-10.25	75.00	BOAT LDG
326	JOINT	656	0.0	20.49	75.00	BOAT LDG
327	JOINT	661	17.74	-15.25	75.00	BOAT LDG
328	JOINT	662	0.0	-15.25	75.00	BOAT LDG
329	JOINT	663	-17.74	-15.25	75.00	BOAT LDG
330	JOINT	701	18.70	-10.83	68.00	7 LEVEL
331	JOINT	702	0.0	-10.83	68.00	7 LEVEL
332	JOINT	703	-18.70	-10.83	68.00	7 LEVEL
333	JOINT	704	9.30	5.41	68.00	7 LEVEL
334	JOINT	705	-9.30	5.41	68.00	7 LEVEL
335	JOINT	706	0.0	21.66	68.00	7 LEVEL
336	JOINT	707	20.95	-12.08	68.41	7 LEVEL
337	JOINT	708	-20.95	-12.08	68.41	7 LEVEL
338	JOINT	709	0.0	24.16	68.41	7 LEVEL
339	JOINT	710	18.70	-10.83	67.99	7 LEVEL
340	JOINT	711	-18.70	-10.83	67.99	7 LEVEL
341	JOINT	712	0.0	21.66	67.99	7 LEVEL
342	JOINT	801	23.60	-13.65	34.00	8 LEVEL
343	JOINT	802	0.0	-13.65	34.00	8 LEVEL

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5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  344  JOINT  803  -23.66 -13.66  34.00                              B LEVEL
  345  JOINT  804   11.83   6.83  34.00                              B LEVEL
  346  JOINT  805  -11.83   6.83  34.00                              B LEVEL
  347  JOINT  806    0.0   27.33  34.00                              B LEVEL
  348  JOINT  807   25.83 -14.91  34.41                              B LEVEL
  349  JOINT  808  -25.83 -14.91  34.41                              B LEVEL
  350  JOINT  809    0.0   29.83  34.41                              B LEVEL
  351  JOINT  810   23.66 -13.66  33.99                              B LEVEL
  352  JOINT  811  -23.66 -13.66  33.99                              B LEVEL
  353  JOINT  812    0.0   27.33  33.99                              B LEVEL
  354  JOINT 1001   28.57 -16.49   0.0                               MUDLINE
  355  JOINT 1002    0.0  -16.49   0.0                               MUDLINE
  356  JOINT 1003  -28.57 -16.49   0.0                               MUDLINE
  357  JOINT 1004   14.29   8.25   0.0                               MUDLINE
  358  JOINT 1005  -14.29   8.25   0.0                               MUDLINE
  359  JOINT 1006    0.0   32.99   0.0                               MUDLINE
  360  JOINT 1007   30.74 -17.74   0.41                              MUDLINE
  361  JOINT 1008  -30.74 -[illegible]  0.41                         MUDLINE
  362  JOINT 1009    0.0  [illegible]  [illegible]                   MUDLINE
  363  JOINT 1010   28.57 -[illegible]  [illegible]           111111 MDLH PIL
  364  JOINT 1010                                             NONLIN
  365  JOINT 1010                               1010      810 OBLIQU
  366  JOINT 1011  -28.57 -16.49  -0.01                       111111 MDLH PIL
  367  JOINT 1011                                             NONLIN
  368  JOINT 1011                               1011      811 OBLIQU
  369  JOINT 1012    0.0   32.99  -0.01                       111111 MDLH PIL
  370  JOINT 1012                                             NONLIN
  371  JOINT 1012                               1012      812 OBLIQU
  372  LOAD
  373  LOADCO    1
  374  LOAD Y  401 510    0.00     780                              GLOB CONC     WN 0 1
  375  LOAD X  401 510                                   0.00-472951 GLOB MOMT     WN 0 1
  376  LOAD Y  403 511    0.00     780                              GLOB CONC     WN 0 1
  377  LOAD X  403 511                                   0.00-472951 GLOB MOMT     WN 0 1
  378  LOAD Y  406 512    0.00     780                              GLOB CONC     WN 0 1
  379  LOAD X  406 512                                   0.00-472951 GLOB MOMT     WN 0 1
  380  LOAD X  201 303    9.73      08    4.58      09              GLOB UNIF     WV 0 1
  381  LOAD Y  201 303    9.73     101    4.58     119              GLOB UNIF     WV 0 1
  382  LOAD Z  201 303    9.73-     15    4.58-     17              GLOB UNIF     WV 0 1
  383  LOAD X  201 303   14.31      09    4.58      10              GLOB UNIF     WV 0 1
  384  LOAD Y  201 303   14.31     119    4.58     136              GLOB UNIF     WV 0 1
  385  LOAD Z  201 303   14.31-     17    4.58-     19              GLOB UNIF     WV 0 1
  386  LOAD X  201 303   18.90      10    4.58      11              GLOB UNIF     WV 0 1
  387  LOAD Y  201 303   18.90     136    4.58     154              GLOB UNIF     WV 0 1
  388  LOAD Z  201 303   18.90-     19    4.58-     21              GLOB UNIF     WV 0 1
  389  LOAD X  201 303   23.48      11    4.58      11              GLOB UNIF     WV 0 1
  390  LOAD Y  201 303   23.48     154    4.58     165              GLOB UNIF     WV 0 1
  391  LOAD Z  201 303   23.48-     21    4.58-     22              GLOB UNIF     WV 0 1
  392  LOAD X  201 303   28.08      11    4.58      11              GLOB UNIF     WV 0 1
```

3.28

S T R A N - G R O U P P R O P E R T I E S R E P O R T

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON
TUBULAR MEMBER PROPERTIES

*** E = 29000000.0 PSI, G = 11600000.0 PSI ***

GRP	M/S	JOINT THICK FT.	WT IN.	OD IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
096	1	-0.00	.500	8.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	-0.00
106	1	-0.00	.844	10.75	20.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	-0.00
120	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	-0.00
123	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.6	.8	9.62	-0.00
125	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.6	5.95	-0.00
127	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
137	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	-0.00
140	1	-0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	-0.00
148	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
149	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
160	1	-0.00	.500	16.00	24.35	1463.88	731.94	731.94	36.0	.8	.8	12.17	-0.00
165	1	-0.00	.625	16.00	30.19	1787.05	893.52	893.52	36.0	1.0	.8	15.09	-0.00
168	1	-0.00	.500	16.00	24.35	1463.88	731.94	731.94	36.0	1.0	.8	12.17	-0.00
180	1	-0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	.8	13.74	-0.00
200	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	-0.00
210	1	-0.00	.750	20.00	45.36	4208.26	2104.13	2104.13	36.0	.8	.8	22.68	-0.00
04L	1	-0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	-0.00
P1	1	-0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	-0.00
P2	1	-0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	-0.00
P3	1	-0.00	1.250	36.00	136.46	41250.28	20625.14	20625.14	36.0	1.0	1.0	68.23	-0.00
JL4	1	-0.00	1.750	48.00	254.27	136170.95	68085.48	68085.48	36.0	1.0	1.0	127.14	-0.00
JL5	1	-0.00	1.000	47.00	144.51	76483.64	38241.82	38241.82	36.0	1.0	1.0	72.25	-0.00
JL6	1	-0.00	1.000	47.00	144.51	76483.64	38241.82	38241.82	36.0	1.0	1.0	72.25	-0.00
JL7	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	1.0	1.0	35.34	-0.00
JL8	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	1.0	1.0	35.34	-0.00
BUM	1	-0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	-0.00

3.29

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
W15	1	-0.00	.570	7.50	.356	.500	16.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W06	1	-0.00	.269	6.00	.235	.500	6.00	4.56	.11	30.10	9.67	36.0	1.0	1.0	.01	-0.00

13
80

SECTION 4.0

BASIC LOADS

4.1 INTRODUCTION

This section presents the loads which are applied to the structure.

Section 4.2 contains the estimated weight of the structural material not considered by SEALOAD because of the structural idealization of the model.

Section 4.3 contains the calculations for live loads applied to the Upper Deck and to the Equipment Deck.

Section 4.4 illustrates the data required for the wind loads feature of SEALOAD. The wind loading applied to the individual structural members of the model is found in Appendix B.2.

Section 4.5 contains a summary of the shear force and overturning moment at the mudline for each wave direction. The wave loading applied to the individual structural members of the model is found in Appendix B.2

4.1 Dead Loads

The weight of the structure is computed by the SEALOAD-2 Program for the structure represented by the mathematical model. For that part of the platform that is not described by the model the following loads were added to the Dead Load, Condition #3. as Load Condition #6.

Top Deck

15.0^k Total - Estimated
Distribution: 5.0^k to each Column (A, B, C)

Equipment Deck

18.0^k Total - Estimated
Distribution: 5.0^k to Column A
6.5^k to Column B & C

Boat Landing

22.0^k Total - Ref. Miscellaneous Structures
Distribution: 11.0^k to Center of Member 601-611
11.0^k to Center of Member 603-613

Boat Bumpers

2.4^k Total - Estimated
Distribution: 1.2^k to bumper at Joint 513
1.2^k to bumper at Joint 514

By V. Talbot Client U.S. Navy Subject Design of 81' MLW Structure
Date 7-7-76 Job No. 27-771-94 Calculation Basic Loads

4.2 Live Loads

Top Deck

Live Load = 100 psf

Total Load = 0.10 ksf × 364 ft^2 = 36.4^k

$$\text{Load/Deck Beam} = \frac{36.4^k}{3} \times \frac{1}{29.0\,ft} = \underline{0.42\,^k/ft}$$

Applied to Members: 101-102
102-103
103-105
105-106
101-104
104-106

Equipment Deck

Live Load = 150 psf

Main Deck Load = 0.15 ksf × 364 ft^2 = 54.6^k

Solar Panel Cantilever Load = 0.15 ksf × 192 ft^2 = 28.8^k

For Members: 201-202; 202-203; 201-204; 204-206

$$\text{Load/Deck Beam} = \frac{54.6^k}{3} \times \frac{1}{29.0\,ft} = \underline{0.63\,^k/ft}$$

For Members: 203-205; 205-206

$$\text{Load/Deck Beam} = \left(\frac{54.6^k}{3} \times \frac{1}{29.0\,ft}\right) + \frac{28.8^k}{29.0\,ft} = \underline{1.60\,^k/ft}$$

4.3 WIND LOADS

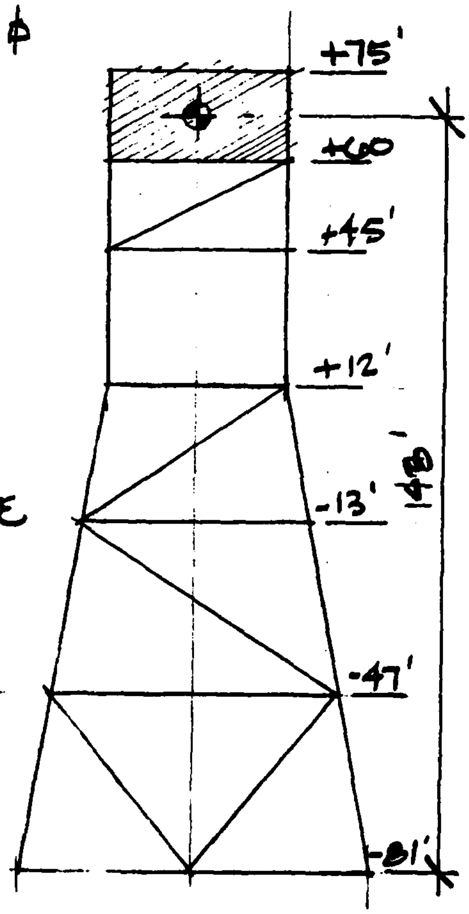
The wind loads on that part of the idealized platform not in the wave are computed by the SEALOAD-2 Program. Appurtenances or structure not contained in the mathematical model are added as separate areas. The following area was add for the analysis of this platform

Segment #1 - Solar Panel & Equipment

Area = $15' \times (29' + 7.67) \times 0.5 = 290^{\Phi}$

Vert. Centroid above Mudline = 148'

Wind Velocity = 145 M.P.H.



Segment #2 - Antenna

The antenna for this structure is shielded by the super structure leg and therefore is neglected.

TOTAL WIND LOAD = 31.98^{K}

4.4 Wave Loads

The wave loads on the members of the idealized platform are calculated by the SEALOAD-2 Program using Dean's Stream Function wave grid profile.

A summary of the shear force and overturning moment at the mudline for each wave direction selected is included in this section. Note that these forces and moments also include the wind loads.

The following four pages contain the wave summary of Dean's Stream Function wave grid profile with the modification for free surface effects.

The roughness effect of the marine fouling for that part of the structure from the Mean Low Water to the Mudline is considered by increasing the effective diameter used in SEALOAD to increase the drag. However, this results in a larger inertial force being applied to the structure. Therefore, the mass coefficient is reduced correspondingly. The following equations are used to determine Deff and Cm used in SEALOAD.

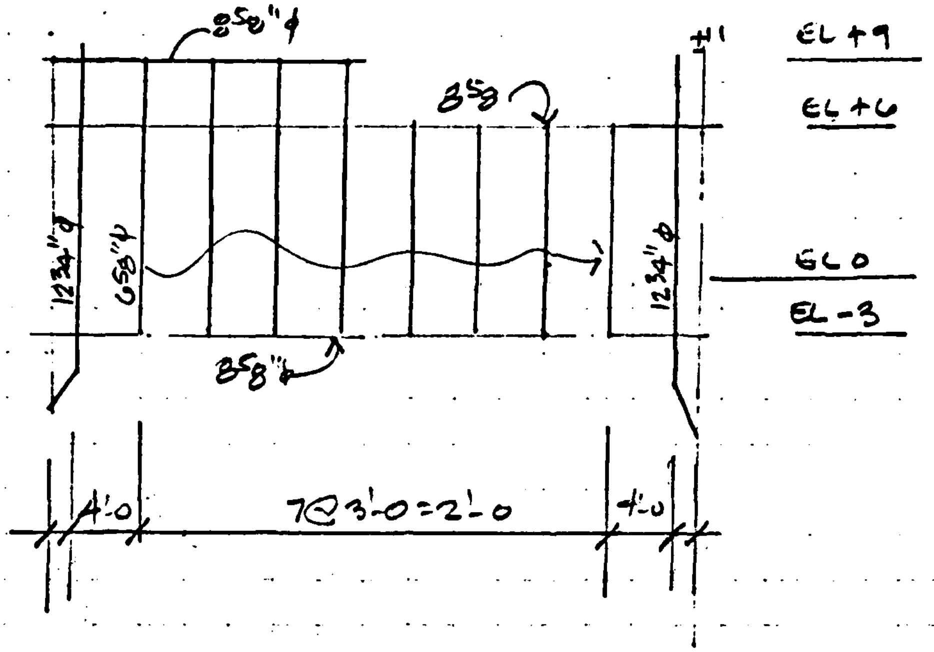
$$D_{act} = D + 2''$$
$$D_{eff} = D_{act} \times 1.02/.74$$
$$C_{meff} = \frac{D_{act}^2}{36 \times D_{eff}}$$

These equations produce the following table.

D	Dact	Deff	Cm
10¾"	12.75	17.57	0.257
12¾"	14.75	20.33	0.297
14"	16.00	22.05	0.322
16"	18.00	24.81	0.363
18"	20.00	27.57	0.403
20"	22.00	30.32	0.443
45½"	47.50	65.47	0.957
47½"	49.50	68.23	0.997

By JA Client U.S. NAVY Subject ____
Date 5/12/72 Job No. 27-771- Calculation ____

BOAT LANDING WAVE AREA



SURFACE AREA FRONT FACE

HORIZONTAL'S

$1\text{-}8\frac{5}{8}''\phi = 0.72\,\phi \times 16' =$ 11.52 ϕ

$2\text{-}'' = 0.72 \times 29' \times 2 =$ 41.76 / 53.28

VERT. $2\text{-}12\frac{3}{4} = 1.0625 \times 2 \times 18' =$ 38.34

$4\text{-}6\frac{5}{8}'' = 0.552 \times 4 \times 13' =$ 28.70

$4\text{-}'' = 0.552 \times 4 \times 10' =$ 22.08 / 89.12

142.4 S.F.

BACK FACE

HOR. $1\text{-}6\frac{5}{8}''\phi = 0.552 \times 16' \times 1 =$ 8.83 S.F.

$2\text{-}8\frac{5}{8}''\phi = 0.720 \times 29 \times 2 =$ 41.76 "

VER. $3\text{-}6\frac{5}{8}\phi = 0.552 \times 9 \times 2 =$ 9.94 "

$2\text{-}6\frac{5}{8}\phi = 0.552 \times 13 \times 2 =$ 14.35 "

74.88

ASSUMING BACK FACE IS SHIELDED SOMEWHAT

TOTAL AREA = 142.4 + 0.5 × 74.88 = 179.84 S.F.

SAY 180 S.F. SURFACE AREA

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 1   WAVE DIRECTION = 90.000

X SHEAR FORCE =	17.1302 KIPS
Y SHEAR FORCE =	1269.5241 KIPS
RESULTANT SHEAR FORCE =	1269.6397 KIPS
X MUDLINE MOMENT =	-102432.5916 FT-KIPS
Y MUDLINE MOMENT =	2106.4435 FT-KIPS
RESULTANT MUDLINE MOMENT =	102454.2480 FT-KIPS
Z VERTICAL FORCE =	-69.0446 KIPS

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 2   WAVE DIRECTION =270.000

X SHEAR FORCE =	-4.1988 KIPS
Y SHEAR FORCE =	-1205.9373 KIPS
RESULTANT SHEAR FORCE =	1205.9446 KIPS
X MUDLINE MOMENT =	97493.3265 FT-KIPS
Y MUDLINE MOMENT =	-620.0007 FT-KIPS
RESULTANT MUDLINE MOMENT =	97495.2980 FT-KIPS
Z VERTICAL FORCE =	-57.9278 KIPS

4.09

```
**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER =    4                         WAVE DIRECTION = 60.000

          X SHEAR FORCE =          586.3057 KIPS
          Y SHEAR FORCE =         1060.7772 KIPS
  RESULTANT SHEAR FORCE =         1229.5665 KIPS

       X MUDLINE MOMENT =       -85928.1041 FT-KIPS
       Y MUDLINE MOMENT =        45644.3235 FT-KIPS
RESULTANT MUDLINE MOMENT =       97298.7325 FT-KIPS

       Z VERTICAL FORCE =          -78.4349 KIPS
```

4.40

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 5   WAVE DIRECTION =240.000

X SHEAR FORCE =	-610.2811 KIPS
Y SHEAR FORCE =	-1071.0628 KIPS
RESULTANT SHEAR FORCE =	1232.7281 KIPS
X MUDLINE MOMENT =	84312.8692 FT-KIPS
Y MUDLINE MOMENT =	-48830.8830 FT-KIPS
RESULTANT MUDLINE MOMENT =	97432.6180 FT-KIPS
Z VERTICAL FORCE =	-32.2936 KIPS

4.11

SECTION 5.0

LOADING CONDITIONS

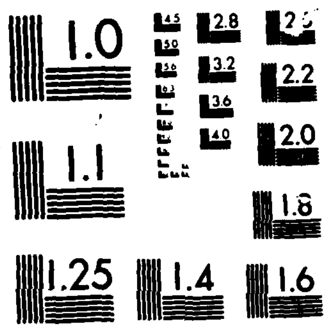
5.1 INTRODUCTION

This section describes the wave approaches considered and the loading conditions used to analyze the structure for the 50 year storm.

Load Conditions 1, 2, 4 and 5 are the load conditions generated by SEALOAD for the maximum force on the structure (in the area of the wave crest) for the four selected wave approaches. Load Condition 3 is the dead weight generated by SEALOAD. Load Condition 6 is the dead weight not included by the model, and the live load on the two deck areas. Load Conditions 7 to 10 are the maximum wave load conditions, Load Conditions 1, 2, 4 and 5, added to the sum of Load Conditions 3 and 6, the total dead weight and live load of the structure.

AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 2/8

UNCLASSIFIED F/G 13/13 NL



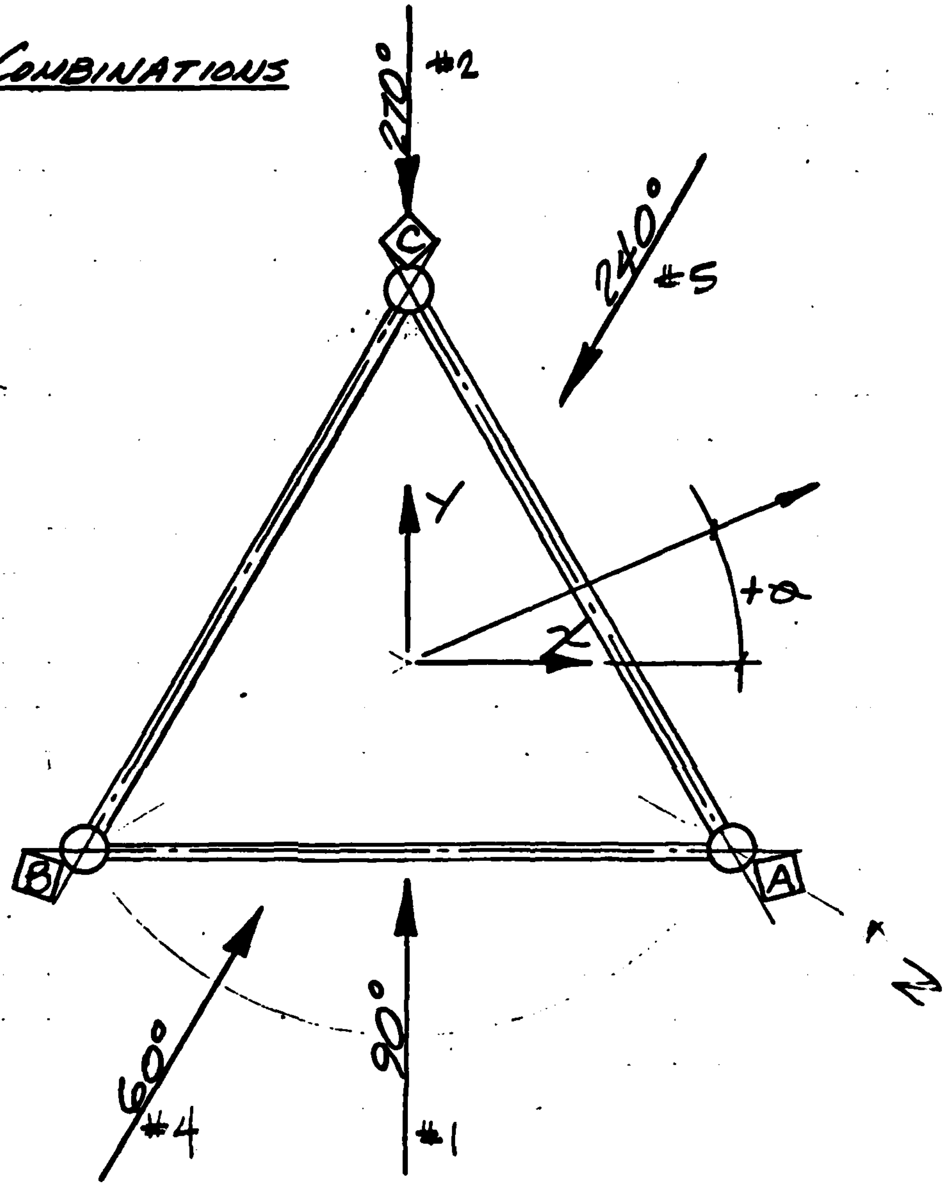
MICROCOPY RESOLUTION TEST CHART

CREST OFFSHORE, INC.

Sheet 5.02 of ----

By JMA Client U.S. NAVY Subject Design of 81' MLW Structure
Date 7-9-76 Job No. 21-771-94 Calculation Loading Combinations

5.1 LOADING COMBINATIONS



LOAD CASE 1: WIND and WAVE at 90°
LOAD CASE 2: WIND and WAVE at 270°
LOAD CASE 3: DEAD LOADS
LOAD CASE 4: WIND and WAVE at 60°
LOAD CASE 5: WIND and WAVE at 240°
LOAD CASE 6: LIVE LOADS + EQUIP. & DEAD LOADS
LOAD CASE 7: LD 1 + LD. 3 + LD. 6
LOAD CASE 8: LD 2 + LD 3 + LD 6
LOAD CASE 9: LD 3 + LD 4 + LD 6
LOAD CASE 10: LD 3 + LD 5 + LD 6

SECTION 6.0

SPACE FRAME ANALYSIS

6.1 INTRODUCTION

This section contains the results of the space frame analysis of the structure subjected to the specified environmental conditions.

The space frame analysis set forth herein utilizes the available computer programs available at Synercom Technology, Inc., Houston, Texas. The program processing procedures are as follows:

1. Set up SEALOAD-2 program to obtain desired wind, wave and dead weight (including buoyancy effect) loadings on the structural components.

2. Update loadings in Step (1) due to additional dead weight and live loads on the structure.

3. Perform space frame analysis by using STRAN computer program.

6.2 MAXIMUM MEMBER STRESSES

THE FOLLOWING THREE PAGES TABULATE THE MAXIMUM STRESS EACH MEMBER OF THE MATHEMATICAL MODEL EXPERIENCES. THE LOADING CONDITION IN WHICH THIS STRESS OCCURS AS WELL AS THE MAXIMUM UNITY CHECK ARE INDICATED. SINCE A ONE-THIRD INCREASE OF ALL ALLOWABLE STRESSES WAS USED BY THE COMPUTER DUE TO THE STORM CONDITION, ALL UNITY CHECKS SHOULD BE COMPARED TO 1.00.

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-INCH DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	A10-01	.531	7	0.0	-.22	4.11	11.29	1.00	-6.92	49.5	55.2	.502	8	.417	10
101- 104	A10-01	.512	10	0.0	-.34	4.77	-9.98	-.88	-7.28	49.4	55.2	.505	7	.490	8
101- 201	UPL-01	.067	10	15.0	-.26	-1.67	0.00	9.25	3.56	17.5	17.5	.063	8	.043	9
102- 103	A10-01	.395	7	14.5	-.19	4.61	6.98	-.68	7.19	49.5	55.2	.391	8	.248	9
102- 104	A10-01	.102	7	14.5	-.09	-.10	2.10	-.12	.17	50.9	108.3	.071	10	.069	9
102- 105	A10-01	.049	7	14.5	-.18	.21	-.90	.03	.19	50.9	108.3	.046	8	.045	10
103- 105	A10-01	.506	7	0.0	-.15	4.96	-5.84	-.47	-7.34	49.4	55.2	.360	8	.259	9
103- 203	UPL-01	.099	8	15.0	-.26	-2.58	0.00	-10.41	7.55	17.5	17.5	.087	10	.048	7
104- 105	A10-01	.050	8	3.6	-.24	-.30	.74	.01	-.05	50.9	108.4	.050	7	.040	9
104- 106	A10-01	.519	10	14.5	-.31	3.97	-5.17	.52	11.82	49.5	55.2	.255	9	.241	7
105- 106	A10-01	.505	10	14.5	-.36	4.73	-4.08	.32	7.09	49.5	55.2	.186	8	.178	9
105- 206	UPL-01	.127	7	15.0	-.21	-3.42	0.00	-3.75	-16.52	17.5	17.5	.106	9	.065	8
201- 202	A10-01	.508	7	0.0	2.42	6.26	12.10	1.09	-9.92	49.5	55.2	.651	8	.625	9
201- 204	A10-01	.776	7	0.0	-4.46	6.98	11.52	.99	-10.30	49.4	55.2	.696	9	.674	8
201- 301	UPL-01	.641	7	15.0	-.60	-17.76	0.00	12.75	49.87	17.5	17.5	.564	8	.468	9
201- 303	125-01	.759	7	32.6	-.11	-21.97	0.00	23.82	4.20	72.3	90.4	.693	9	.536	8
202- 203	A10-01	.532	7	14.5	2.05	6.97	7.51	-.74	10.36	49.5	55.2	.515	8	.419	9
202- 204	A10-01	.101	7	14.5	-.08	-.65	2.25	-.13	.17	50.9	108.3	.095	10	.091	9
202- 205	A10-01	.064	10	0.0	.24	.56	1.07	.02	-.25	50.9	108.3	.058	7	.055	9
203- 205	A10-01	.838	7	0.0	2.49	16.01	-6.34	-.50	-24.81	49.4	55.2	.759	8	.700	9
203- 303	UPL-01	.767	7	15.0	-.12	-19.18	0.00	-15.17	61.15	17.5	17.5	.656	8	.567	9
203- 305	125-01	.644	7	32.6	-7.51	-6.62	0.00	-.94	1.77	72.3	90.4	.526	9	.436	8
204- 205	A10-01	.062	7	0.0	.28	.64	-.86	-.00	-.27	50.9	108.4	.058	8	.054	9
204- 206	A10-01	.519	10	14.5	2.74	6.65	-5.98	.61	15.30	49.5	55.2	.442	7	.436	8
205- 206	A10-01	.762	10	14.5	-2.40	15.25	-4.85	.40	24.41	49.5	55.2	.603	8	.576	9
206- 311	125-01	1.017	10	32.6	-4.82	-20.74	0.00	27.49	-.03	72.3	90.4	.748	8	.692	7
206- 306	UPL-01	.798	7	15.0	-1.54	-21.38	0.00	14.41	75.60	17.5	17.5	.739	8	.607	9
301- 303	125-01	.805	9	29.0	-2.11	-20.46	0.00	19.43	3.07	64.2	64.2	.724	7	.665	8
301- 306	125-01	.870	10	29.0	4.60	20.38	0.00	-19.40	.71	64.2	64.2	.810	7	.739	9
301- 401	UPL-01	.959	7	28.5	-.28	-25.30	0.00	-5.29	-114.89	33.3	33.3	.821	8	.649	9
303- 306	125-01	.640	7	29.0	3.50	14.92	0.00	-6.51	3.47	64.2	64.2	.608	8	.537	10
303- 403	UPL-01	.755	8	28.5	-1.51	-23.25	0.00	-9.11	106.35	33.3	33.3	.652	7	.767	10
306- 406	UPL-01	1.152	7	28.5	-2.35	-30.56	0.00	-10.96	-127.42	33.3	33.3	.977	8	.879	9
401- 501	JL4-01	.439	7	4.6	-3.70	-8.66	0.00	-103.92	50.83	3.3	3.3	.417	8	.357	9
401- 510	PI-01	.277	8	4.6	[illegible]	-3.12	0.00	6.21	-15.72	3.9	3.9	.266	7	.173	10
403- 503	JL4-01	.462	7	4.6	[illegible]	-9.44	0.00	117.49	81.44	3.3	3.3	.449	8	.423	9
403- 511	PI-01	.460	10	4.6	-7.16	-3.24	0.00	7.76	-35.37	3.9	3.9	.446	9	.293	7
40[illegible]- 5[illegible]	JL4-01	.473	7	4.6	7.62	6.00	0.00	-10.63	-64.63	3.3	3.3	.451	8	.386	9
406- 512	PI-01	.553	7	4.6	-9.64	-6.12	0.00	-.33	-24.38	3.9	3.9	.513	8	.464	9
501- 502	125-01	.425	8	15.1	-5.26	-5.42	0.00	-11.29	-1.79	53.5	26.7	.368	9	.353	7
501- 504	125-01	.453	7	0.0	-11.45	-11.19	0.00	4.21	4.31	53.5	26.7	.802	8	.734	9
501- 601	JL5-01	.718	7	0.0	-6.63	-14.04	0.00	126.44	-36.51	4.5	4.5	.675	8	.617	9
501- 602	21[illegible]-01	.459	9	0.0	6.39	6.02	0.00	-13.36	-9.51	26.5	28.5	.419	10	.288	8
502- 503	125-01	.424	8	0.0	-6.42	-5.15	0.00	11.00	.90	53.5	26.7	.343	7	.247	10
502- 504	125-01	.183	2	0.0	.73	4.55	0.00	-1.34	-1.50	39.6	39.6	.181	10	.176	7
502- 505	125-01	.315	10	0.0	2.19	5.38	0.00	3.53	-1.06	39.6	39.6	.310	9	.233	7
503- 505	125-01	.592	10	0.0	-6.91	-9.34	1.00	-2.44	[illegible]	53.5	26.7	.573	8	.504	7
503- 603	JL5-01	.605	7	0.0	-8.27	-14.65	0.00	-131.59	-43.99	4.5	4.5	.634	8	.612	9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503- 635	210-01	.705	8	0.0	12.85	9.22	0.00	-6.16	-14.73	28.5	28.5	.761	10	.741	7
504- 505	125-01	.299	6	15.2	-2.27	-6.04	0.00	-3.91	.29	39.6	39.6	.292	7	.211	9
504- 506	165-01	.913	7	15.2	-12.19	-11.40	0.00	-.97	8.29	53.5	26.7	.736	9	.711	8
505- 506	165-01	.546	9	15.2	5.60	10.13	0.00	-3.57	7.10	53.5	26.7	.536	7	.517	10
506- 606	JL5-01	.657	7	0.0	10.97	7.96	0.00	10.86	72.20	4.5	4.5	.645	8	.557	10
506- 634	210-01	.808	7	0.0	13.37	9.90	0.00	10.31	-15.40	28.5	28.5	.727	8	.658	9
510- 710	P1-01	.277	8	0.0	-4.85	-3.12	0.00	7.44	29.98	21.4	21.4	.268	7	.162	10
511- 711	P1-01	.465	10	0.0	-8.10	-5.24	0.00	5.87	48.73	21.4	21.4	.446	9	.293	7
512- 712	P1-01	.555	7	0.0	-9.84	-6.12	0.00	-.33	63.01	21.4	21.4	.513	8	.464	9
601- 651	JL5-01	.518	7	0.0	-6.72	-8.19	0.00	96.40	-33.41	4.5	4.5	.482	8	.392	9
603- 653	JL5-01	.465	9	0.0	-8.09	-5.31	0.00	-55.76	-55.33	4.5	4.5	.452	7	.442	10
606- 656	JL5-01	.553	7	0.0	10.94	4.96	0.00	10.86	59.80	4.5	4.5	.549	8	.476	10
651- 651	JL6-01	.369	7	0.0	-6.75	-3.86	0.00	86.61	-26.77	4.5	4.5	.338	8	.227	9
652- 703	210-01	.463	10	21.9	-6.63	-7.28	0.00	-15.62	-3.06	30.9	30.9	.470	9	.227	7
653- 653	JL6-01	.354	9	0.0	-8.12	-2.08	0.00	-48.00	-46.05	4.5	4.5	.332	10	.292	7
654- 701	210-01	.576	8	21.9	-12.77	-3.00	0.00	8.88	-3.09	30.9	30.9	.571	7	.471	10
655- 706	210-01	.644	7	21.9	-15.24	-4.56	0.00	-9.17	-4.26	30.9	30.9	.604	8	.553	9
655- 656	JL6-01	.467	6	0.0	-10.82	-2.61	0.00	-8.16	-49.17	4.5	4.5	.465	7	.412	10
651- 701	JL6-01	.287	7	7.1	-7.00	-1.25	0.00	20.70	-13.51	5.2	5.2	.255	8	.134	9
653- 703	JL6-01	.356	9	7.1	-8.47	-1.78	0.00	-8.76	-14.05	5.2	5.2	.331	10	.221	7
656- 706	JL6-01	.423	8	7.1	-10.62	-1.38	0.00	-8.16	-32.16	5.2	5.2	.406	7	.381	10
701- 702	137-01	.401	10	18.8	-5.85	-6.69	0.00	-5.85	.00	82.3	41.1	.367	9	.351	8
701- 704	137-01	.378	9	18.8	-5.01	-6.59	0.00	5.72	-.04	82.3	41.1	.324	10	.212	8
701- 801	JL7-01	.304	7	8.6	-4.71	-4.04	0.00	-.70	.54	26.0	26.0	.280	8	.254	10
701- 806	200-01	.898	7	0.0	-12.61	-6.38	0.00	-7.35	9.27	76.3	76.3	.739	9	.678	8
702- 703	137-01	.359	6	0.0	-5.51	-6.05	0.00	5.94	.25	82.3	41.1	.339	10	.300	7
702- 704	127-01	.136	7	0.0	-.69	-3.10	0.00	2.25	-.11	49.0	49.0	.131	8	.022	9
702- 705	127-01	.210	9	0.0	-1.14	-4.71	0.00	-5.77	-.14	49.0	49.0	.205	10	.120	7
703- 705	137-01	.221	8	18.8	.84	5.51	0.00	3.95	-.44	82.3	41.1	.210	7	.165	10
703- 801	200-01	.679	9	0.0	-6.89	-9.48	0.00	16.30	3.79	76.3	76.3	.602	10	.338	7
703- 803	JL7-01	.568	9	8.6	-12.59	-4.16	0.00	-.21	-.67	26.0	26.0	.558	10	.470	7
704- 705	127-01	.225	10	0.0	-1.16	-5.13	0.00	3.89	-.16	49.0	49.0	.222	8	.213	9
704- 706	137-01	.303	9	18.8	-3.72	-3.61	0.00	3.96	.40	82.3	41.2	.239	10	.209	7
705- 706	137-01	.202	7	18.8	-1.65	-3.45	0.00	-2.60	.54	82.3	41.2	.196	9	.185	10
705- 803	200-01	.995	10	0.0	-13.78	-6.87	0.00	1.20	10.52	76.2	76.2	.931	8	.770	9
706- 806	JL7-01	.594	7	8.6	12.65	4.46	0.00	2.80	2.66	26.0	26.0	.590	8	.505	10
710- 810	P2-01	.235	8	34.5	-4.44	-2.27	0.00	7.25	-2.08	29.2	29.2	.208	7	.121	10
711- 811	P2-01	.354	10	0.0	-7.27	-3.01	0.00	6.19	-5.00	29.2	29.2	.320	9	.253	8
712- 812	P2-01	.411	7	0.0	-8.73	-2.70	0.00	-.33	-6.05	29.2	29.2	.352	9	.348	8
801- 802	180-01	.444	10	23.7	-5.62	-5.26	0.00	-7.20	.14	82.9	41.4	.367	9	.280	8
801- 804	158-01	.302	6	0.0	-4.70	-3.74	0.00	.94	-1.58	82.9	41.4	.295	7	.268	10
801-1001	JL8-01	.123	8	0.0	.30	3.25	0.00	-21.41	11.55	26.0	26.0	.123	7	.101	10
801-1002	160-01	.522	10	0.0	-7.33	-4.95	0.00	5.90	3.35	72.7	72.7	.421	9	.241	8
801-1004	160-01	.703	7	0.0	-13.45	-6.05	0.00	-2.77	5.60	72.7	72.7	.652	8	.567	9
802- 803	180-01	.404	10	0.0	-5.99	-3.36	0.00	4.42	.70	82.9	41.4	.314	9	.290	8
802- 804	140-01	.145	7	0.0	-.81	-3.17	0.00	1.67	.07	61.8	61.8	.142	8	.070	9
802- 805	140-01	.219	9	0.0	-1.15	-4.90	0.00	-2.86	-.01	61.8	61.8	.211	10	.125	7
803- 805	155-01	.495	7	23.7	-7.09	-4.47	0.00	-4.93	.70	82.9	41.4	.418	8	.414	9

6.04

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   3

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
803-1002	160-01	.566	9	0.0	-7.16	-6.96	0.00	6.69	2.23	72.7	72.7	.500	10	.211	8
803-1003	JL6-01	.086	10	17.2	.79	1.67	0.00	.49	.63	26.0	26.0	.069	9	.067	8
803-1005	160-01	.968	9	0.0	-15.01	-5.51	0.00	-.89	5.59	72.7	72.7	.860	7	.707	10
804- 805	148-01	.261	10	0.0	-1.25	-5.95	0.00	3.02	-.03	61.8	61.8	.250	8	.249	9
804- 806	188-01	.319	7	23.7	4.80	4.40	0.00	3.12	1.47	82.9	41.4	.302	8	.180	9
805- 806	165-01	.525	7	23.7	-7.74	-3.50	0.00	-1.56	1.46	82.9	41.4	.497	9	.365	10
805-1004	160-01	.854	8	0.0	-12.74	-5.65	0.00	-4.15	4.04	72.7	72.7	.686	7	.647	10
806-1005	150-01	1.010	10	0.0	-14.92	-6.48	0.00	.93	5.94	72.7	72.7	.659	8	.742	9
806-1006	JL6-01	.142	9	0.0	.72	3.36	0.00	-15.96	20.96	26.0	26.0	.125	10	.114	7
810-1010	P2-01	.301	8	34.5	-4.54	-4.12	0.00	7.41	-13.18	29.2	29.2	.274	7	.252	10
811-1011	P2-01	.422	10	34.5	-7.47	-4.64	0.00	5.93	-35.92	29.2	29.2	.366	9	.321	8
812-1012	P2-01	.499	7	34.5	-8.93	-5.35	0.00	-.33	-40.68	29.2	29.2	.437	8	.416	9
1001-1002	150-01	.293	8	0.0	-4.84	-1.63	0.00	-.36	.01	88.6	44.3	.253	7	.247	9
1001-1004	150-01	.348	8	0.0	-4.19	-3.60	0.00	-.70	-1.78	88.6	44.3	.318	7	.234	9
1002-1003	180-01	.555	10	26.6	-8.00	-3.95	0.00	-1.79	1.08	88.6	44.3	.417	9	.293	8
1002-1004	140-01	.209	7	0.0	-.55	-5.28	0.00	.04	.84	74.7	74.7	.205	10	.204	9
1002-1005	140-01	.193	7	0.0	-.52	-4.85	0.00	-.05	.79	74.7	74.7	.189	8	.160	9
1003-1005	180-01	.573	10	0.0	-7.27	-4.90	0.00	-.80	-2.17	88.6	44.3	.437	9	.334	8
1004-1005	140-01	.166	10	0.0	-.97	-4.02	0.00	.30	.49	74.7	74.7	.177	9	.090	8
1004-1006	180-01	.656	7	28.6	-9.15	-3.93	0.00	.64	1.89	88.6	44.3	.563	9	.436	8
1005-1006	180-01	.666	7	28.6	-9.35	-3.86	0.00	-.47	2.13	88.6	44.3	.604	9	.446	10
0- 0		0.000	0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.000	0	0.000	0

6.05

6.3 MAXIMUM MEMBER FORCES

THE FOLLOWING THREE PAGES TABULATE THE MAXIMUM MEMBER FORCES FOR EACH MEMBER OF THE MATHEMATICAL MODEL. SINCE A ONE-THIRD INCREASE OF ALL ALLOWABLE STRESSES WAS USED BY THE COMPUTER DUE TO THE STORM CONDITION, ALL UNITY CHECKS SHOULD BE COMPARED TO 1.00.

STRAN MEMBER STRESS REPORT NO. 1

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DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
101- 102	W18-01	.531	.009	.130	.392	7	0.0	-5.54	.01	360.48	121.03	.502	8	.497	10
101- 104	W18-01	.512	.014	.151	.347	10	0.0	-5.55	-.01	424.99	-107.00	.505	7	.490	8
101- 201	DRL-01	.067	.010	.004	.054	10	15.0	-24.02	-209.74	272.32	-1031.40	.063	8	.043	9
102- 103	W18-01	.396	.008	.145	.242	7	14.5	-3.15	-.01	410.44	74.82	.391	8	.288	9
102- 104	W08-01	.082	.005	.003	.073	7	14.5	-.62	-.00	-2.12	11.78	.071	10	.069	9
102- 105	W08-01	.049	.011	.007	.031	7	14.5	-1.25	.00	4.47	-5.07	.046	8	.045	10
103- 105	W18-01	.366	.007	.157	.203	7	0.0	-2.51	-.00	441.96	-62.62	.360	8	.259	9
103- 203	DRL-01	.099	.009	.035	.054	8	15.0	-23.43	134.79	1035.86	1281.67	.087	10	.048	7
104- 105	W08-01	.059	.015	.009	.026	8	3.0	-1.69	-.01	-6.17	4.13	.050	7	.040	9
104- 106	W18-01	.318	.013	.125	.160	10	14.5	-5.07	.02	353.58	-55.45	.255	9	.241	7
105- 106	W18-01	.305	.015	.149	.142	10	14.5	-5.76	.01	421.36	-43.78	.188	8	.178	9
106- 206	DRL-01	.127	.008	.108	.011	7	15.0	-19.34	141.45	-2085.43	662.48	.106	9	.065	8
201- 202	W18-01	.598	.070	.198	.420	7	0.0	32.08	.07	557.84	129.71	.651	8	.623	9
201- 204	W18-01	.776	.155	.220	.400	7	0.0	-72.30	-.05	621.71	123.54	.696	9	.674	8
201- 301	DRL-01	.641	.024	.610	.007	7	15.0	-60.20	394.05	11292.25	-1169.15	.564	8	.468	9
201- 303	120-01	.769	.006	.036	.727	7	32.6	-2.19	-7.44	269.63	-1216.28	.693	9	.536	8
202- 203	W18-01	.552	.071	.220	.261	7	14.5	33.18	-.07	621.43	80.48	.515	8	.419	9
202- 204	W08-01	.104	.005	.020	.078	7	14.5	-.60	-.00	-13.43	12.63	.095	10	.091	9
202- 205	W08-01	.064	.008	.018	.038	10	0.0	1.70	-.02	11.63	5.98	.058	7	.055	9
203- 205	W18-01	.538	.007	.551	.221	7	0.0	40.36	-.08	1498.22	-67.99	.759	8	.700	9
203- 303	DRL-01	.667	.001	.659	.007	7	15.0	-1.69	-532.33	12197.00	1257.05	.656	8	.567	9
203- 306	120-01	.644	.398	.232	.014	7	32.6	-144.55	-18.69	356.57	82.10	.526	9	.436	8
204- 205	W08-01	.062	.010	.020	.032	7	0.0	2.01	.02	13.42	-4.94	.058	8	.054	9
204- 206	W18-01	.519	.095	.216	.208	10	14.5	44.34	.07	610.16	-64.08	.442	7	.436	8
205- 206	W18-01	.762	.101	.513	.169	10	14.5	-38.01	.07	1448.04	-52.04	.643	8	.578	9
205- 301	120-01	1.017	.255	.020	.742	10	32.6	-92.07	-43.87	198.09	-1159.37	.748	8	.692	7
205- 306	DRL-01	.798	.056	.732	.011	7	15.0	-139.69	439.99	13567.70	-1633.53	.739	8	.607	9
301- 303	123-01	.803	.093	.016	.694	9	29.0	-40.51	11.75	176.24	-1146.68	.724	7	.665	8
301- 306	123-01	.876	.162	.033	.682	10	29.0	89.60	-2.70	-250.39	1139.69	.810	7	.738	9
301- 401	DRL-01	.869	.011	.873	.006	7	26.5	-25.26	-2229.76	-16116.40	1343.07	.881	8	.649	9
303- 306	123-01	.640	.122	.258	.260	7	29.0	67.57	-16.52	597.03	549.64	.608	8	.537	10
303- 403	DRL-01	.855	.057	.793	.014	8	26.5	-137.28	-1471.74	14730.97	1975.31	.852	7	.787	10
306- 406	DRL-01	1.152	.090	1.048	.014	7	26.5	-215.05	419.35	-19414.79	2258.73	.977	8	.679	9
401- 501	JL4-01	.439	.131	.033	.274	7	4.6	-955.18	225.28	8274.51	23733.24	.417	8	.357	9
401- 510	P1-01	.277	.169	.108	.000	8	4.6	-1073.75	-358.26	-6673.68	-33.24	.268	7	.173	10
403- 503	JL4-01	.462	.134	.051	.277	7	4.6	-971.50	778.34	10518.83	-24639.22	.449	8	.423	9
403- 511	P1-01	.465	.284	.130	.052	10	4.6	-1809.01	-178.56	-9448.60	6011.22	.446	9	.293	7
406- 506	JL4-01	.473	.265	.202	.007	7	4.6	1937.24	450.46	-16750.97	3029.11	.451	8	.386	9
406- 512	P1-01	.555	.342	.213	.000	7	4.6	-2177.92	334.62	-13090.80	-269.83	.513	8	.464	9
501- 502	165-01	.425	.260	.019	.146	8	15.1	-188.97	160.04	-198.73	571.99	.368	9	.353	7
501- 504	165-01	.858	.476	.284	.097	7	0.0	-345.78	-103.45	-1059.11	663.60	.802	8	.734	9
501- 601	JL5-01	.718	.230	.051	.437	7	0.0	-950.30	32.22	7377.12	21629.60	.675	8	.617	9
501- 632	210-01	.459	.222	.118	.118	9	0.0	289.72	-264.34	1014.01	-1014.42	.419	10	.282	8
502- 503	165-01	.424	.267	.020	.137	8	0.0	-193.93	-130.39	-200.34	538.86	.343	7	.247	10
502- 504	125-01	.103	.025	.157	.001	8	0.0	8.74	-49.95	135.66	-8.94	.181	10	.176	7
502- 505	125-01	.315	.076	.097	.142	10	0.0	26.08	26.53	131.16	158.67	.310	9	.233	7
503- 505	165-01	.592	.267	.240	.015	10	0.0	-206.57	23.84	1016.32	-237.38	.573	8	.504	7
503- 603	JL5-01	.665	.150	.067	.449	7	0.0	-617.70	275.00	8720.99	-22535.53	.634	8	.612	9

6.07

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503- 635	210-01	.705	.445	.315	.006	8	0.0	581.75	-171.14	1923.96	-255.63	.761	10	.741	7
504- 505	125-01	.298	.089	.033	.177	8	15.2	-27.04	-1.54	-71.94	165.75	.292	7	.211	9
504- 506	165-01	.713	.507	.395	.012	7	15.2	-368.14	41.90	1251.54	231.56	.736	9	.711	8
505- 506	165-01	.546	.195	.325	.027	9	15.2	169.20	-73.48	1066.60	313.43	.536	7	.517	10
506- 606	JL5-01	.657	.381	.266	.011	7	0.0	1585.50	447.96	-12695.75	2532.51	.645	8	.557	10
508- 634	210-01	.708	.464	.263	.061	7	0.0	606.21	96.32	1820.83	1012.37	.727	8	.658	9
510- 710	P1-01	.277	.169	.108	.000	8	0.0	-1073.78	-552.09	-6672.97	-75.09	.268	7	.162	10
511- 711	P1-01	.466	.284	.128	.053	10	0.0	-1809.70	-313.62	-9411.17	6069.73	.446	9	.293	7
512- 712	P1-01	.555	.342	.213	.000	7	0.0	-2178.03	341.59	-13090.80	-269.96	.513	8	.464	9
601- 631	JL5-01	.518	.233	.036	.248	7	0.0	-971.57	504.46	4768.05	12444.69	.482	8	.392	9
603- 635	JL5-01	.455	.261	.100	.005	9	0.0	-1169.51	168.67	6554.78	-5855.80	.452	7	.442	10
605- 636	JL5-01	.553	.360	.164	.008	7	0.0	1581.67	447.96	-7889.35	1740.02	.549	8	.476	10
631- 651	JL6-01	.369	.254	.023	.111	7	0.0	-975.44	494.29	2597.48	5725.76	.338	8	.227	9
632- 703	210-01	.463	.230	.001	.252	10	21.9	-300.94	247.56	-97.50	1527.69	.470	9	.227	7
633- 653	JL6-01	.354	.262	.045	.027	9	0.0	-1173.32	174.00	2668.03	-2088.24	.332	10	.292	7
634- 701	210-01	.576	.462	.010	.065	8	21.9	-579.09	-99.68	202.26	-597.59	.571	7	.471	10
635- 706	210-01	.644	.500	.001	.143	7	21.9	-600.72	163.38	90.95	956.15	.604	8	.553	9
636- 656	JL6-01	.457	.376	.067	.003	8	0.0	-1563.59	-340.19	4171.60	-825.68	.465	7	.412	10
651- 701	JL6-01	.287	.243	.004	.040	7	7.1	-1011.95	1234.32	-619.57	-1944.51	.255	8	.134	9
653- 703	JL6-01	.356	.294	.027	.035	9	7.1	-1224.64	-56.54	-1910.32	2172.27	.331	10	.221	7
656- 706	JL6-01	.423	.376	.046	.002	8	7.1	-1562.96	-340.30	-2192.63	468.67	.406	7	.381	10
701- 702	137-01	.401	.190	.001	.209	10	18.6	-55.06	12.98	-21.00	301.05	.367	9	.351	8
701- 704	137-01	.378	.150	.002	.227	9	18.6	-43.07	-8.47	-28.60	-287.29	.324	10	.212	8
701- 801	JL7-01	.304	.163	.038	.102	7	8.6	-332.67	300.60	-1656.95	-2708.79	.280	8	.254	10
701- 806	200-01	.698	.600	.236	.062	7	0.0	-479.67	10.52	-1013.96	-519.83	.739	9	.678	8
702- 703	137-01	.359	.175	.006	.179	8	0.0	-51.20	-7.98	-44.36	261.37	.339	10	.300	7
702- 704	127-01	.136	.028	.000	.107	7	0.0	-6.18	6.90	-5.01	92.53	.131	8	.022	9
702- 705	127-01	.210	.046	.001	.163	9	0.0	-13.54	-.97	-8.97	-140.66	.205	10	.120	7
703- 705	137-01	.221	.029	.008	.184	8	18.6	12.27	-3.13	-47.82	-236.58	.210	7	.165	10
703- 801	200-01	.679	.328	.032	.318	9	0.0	-262.20	24.34	-514.40	1614.20	.602	10	.336	7
703- 803	JL7-01	.569	.460	.065	.043	9	8.6	-875.58	745.41	-2669.61	1886.29	.558	10	.470	7
704- 705	127-01	.225	.047	.000	.178	10	0.0	-13.62	5.56	-3.84	153.30	.222	8	.213	9
704- 706	137-01	.303	.165	.018	.100	9	18.6	-54.26	20.70	61.95	-155.12	.239	10	.209	7
705- 706	137-01	.202	.082	.053	.067	7	18.6	-24.07	-7.82	100.94	112.68	.196	9	.185	10
706- 803	200-01	.995	.656	.334	.006	10	0.0	-524.06	-30.60	-1216.68	159.60	.931	8	.770	9
706- 806	JL7-01	.594	.439	.155	.000	7	8.6	694.30	-194.96	3504.27	26.34	.590	8	.505	10
710- 810	P2-01	.235	.167	.003	.066	8	34.5	-1115.36	-505.08	1129.41	-5339.83	.208	7	.121	10
711- 811	P2-01	.364	.273	.059	.032	10	0.0	-1625.99	-1736.18	5818.55	4289.70	.320	9	.253	8
712- 812	P2-01	.411	.328	.063	.000	7	0.0	-2194.30	-303.22	6488.62	-170.36	.352	9	.348	8
801- 802	185-01	.444	.260	.002	.162	10	25.7	-136.80	24.74	-48.76	478.85	.367	9	.280	8
801- 804	185-01	.362	.235	.098	.030	8	0.0	-114.44	7.55	294.78	-173.42	.295	7	.266	10
801-1001	JL6-01	.123	.010	.020	.093	8	0.0	20.68	259.62	-1069.58	-2319.22	.123	7	.101	10
801-1002	160-01	.522	.340	.060	.121	10	0.0	-170.35	46.75	-260.98	370.16	.421	9	.241	8
801-1004	160-01	.903	.625	.258	.020	7	0.0	-327.43	-23.82	-532.66	-149.44	.652	8	.567	9
802- 803	160-01	.404	.299	.003	.102	10	0.0	-145.74	-44.20	-51.16	303.20	.314	9	.290	8
802- 804	140-01	.145	.035	.012	.098	7	0.0	-9.68	11.61	-31.18	89.55	.142	6	.070	9
802- 805	140-01	.219	.049	.005	.165	9	0.0	-13.40	-8.11	-25.41	-144.41	.211	10	.125	7
803- 805	180-01	.495	.354	.001	.139	7	25.7	-172.71	16.03	-37.77	407.43	.418	8	.414	9

6.08

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O .   1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END (FT)	CONTROLLING MEMBER ACTIONS: FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES: COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803-1002	160-01	.566	.333	.033	.221	9	0.0	-174.38	-51.54	-229.15	593.66	.590	10	.211	8
803-1003	JL6-01	.066	.027	.034	.024	10	17.2	55.94	-746.93	1009.63	-843.90	.069	9	.067	8
803-1005	160-01	.968	.699	.265	.006	9	0.0	-365.49	-21.23	-498.63	-72.22	.860	7	.707	10
804- 805	140-01	.261	.054	.004	.203	10	0.0	-14.69	6.70	-24.19	176.33	.250	8	.249	9
804- 806	160-01	.319	.167	.048	.055	7	23.7	116.78	26.51	321.64	-241.53	.302	8	.180	9
805- 806	160-01	.523	.366	.141	.000	7	23.7	-186.51	-27.60	320.16	13.08	.497	9	.365	10
805-1004	160-01	.854	.592	.124	.138	8	0.0	-310.19	10.96	-368.73	-389.47	.686	7	.647	10
806-1005	160-01	1.010	.693	.312	.005	10	0.0	-363.19	6.12	-587.67	77.15	.859	6	.742	9
806-1006	JL6-01	.142	.025	.057	.080	9	0.0	50.74	868.50	-1487.59	-2185.76	.125	10	.114	7
810-1010	P2-01	.301	.158	.039	.103	8	34.5	-1140.60	504.08	-5188.56	-8401.81	.274	7	.252	10
811-1011	P2-01	.422	.280	.141	.001	10	34.5	-1676.47	-2276.81	-11105.94	-724.64	.368	9	.321	8
812-1012	P2-01	.499	.335	.164	.000	7	34.5	-2244.76	278.98	-12836.90	103.47	.437	8	.416	9
001-1002	140-01	.293	.242	.003	.048	8	0.0	-127.48	-127.65	43.14	-185.88	.253	7	.247	9
001-1004	160-01	.343	.219	.094	.035	8	0.0	-115.21	-50.38	371.58	-244.00	.318	7	.234	9
002-1003	160-01	.556	.418	.045	.093	10	20.6	-219.69	54.02	238.11	396.60	.417	9	.293	8
002-1004	140-01	.209	.026	.183	.000	7	0.0	-0.51	15.95	-157.77	-2.43	.205	10	.204	9
002-1005	140-01	.193	.024	.168	.000	7	0.0	-6.16	-18.57	-145.03	3.02	.189	8	.168	9
003-1005	160-01	.573	.379	.163	.031	10	0.0	-199.74	-8.67	514.04	-255.33	.437	9	.334	8
004-1005	140-01	.186	.046	.111	.029	10	0.0	-11.60	8.54	-107.07	54.68	.177	9	.090	8
004-1006	160-01	.556	.478	.171	.007	7	20.6	-251.49	-54.22	446.11	-110.76	.563	9	.436	8
005-1006	160-01	.603	.468	.178	.002	7	20.6	-250.94	35.41	449.11	53.11	.604	9	.448	10
0- 0		0.000	0.000	0.000	0.000	0	0.0	0.00	0.00	0.00	0.00	0.000	0	0.000	0

6.09

CREST OFFSHORE, INC.

Sheet 212 of ____

By J.M.A. Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 9-5-76 Job No. 27-771-94 Calculation ________

6.4 JOINT DEFLECTIONS AND ROTATIONS

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.11266	7.09722	-.03954	-.00031	-.00015	-.00320	
102	.11598	6.83853	-.10636	-.00049	.00012	.00183	
103	.11514	6.57658	-.00758	-.00035	.00023	.00413	
104	-.11045	6.96759	-.14819	-.00010	-.00023	.00229	
105	-.11204	6.70674	-.15608	-.00038	.00022	.00092	
106	-.33755	6.83518	-.14249	-.00042	-.00049	.00171	
201	.12108	7.04907	-.03811	-.00028	-.00001	-.00339	
202	.10898	6.77899	-.12251	-.00116	.00011	.00183	
203	.09669	6.52470	-.00609	-.00028	.00005	.00424	
204	-.09595	6.89278	-.19109	-.00004	-.00063	.00216	
205	-.09765	6.65423	-.31852	-.00099	-.00063	.00060	
206	-.20181	6.76551	-.14133	-.00003	-.00028	.00160	
301	.10219	6.70284	-.03411	-.00413	-.00003	-.00371	
303	.10598	6.26404	-.00807	-.00406	.00010	.00467	
306	-.21699	6.49905	-.13189	-.00440	-.00050	.00124	
401	.13033	4.22561	-.03083	-.00465	.00030	-.00028	
403	.03308	3.87637	-.00508	-.00421	-.00023	.00195	
405	.00384	3.93100	-.10405	-.00359	-.00003	.00060	
501	.11510	3.96851	-.00582	-.00406	.00018	-.00020	
502	.08474	3.79543	.01944	-.00258	.00010	.00094	
503	.05518	3.65090	.01844	-.00359	-.00014	.00183	
504	.00003	3.83920	-.13552	.00015	.00156	.00066	
505	-.01428	3.72659	-.10510	.00011	-.00126	.00003	
506	-.00220	3.74961	-.14888	-.00319	.00005	.00060	
507	.11169	4.00591	.05014	-.00405	.00018	-.00020	
508	.00118	3.62158	.00844	-.00358	-.00014	.00183	
509	-.01900	3.76710	-.24433	-.00319	.00005	.00059	
510	.10698	3.97415	-.02113	-.00452	.00056	-.00031	
511	.00084	3.63761	.00249	-.00402	-.00050	.00194	
512	.00013	3.74733	-.11573	-.00307	-.00003	.00058	
513	.12173	4.00157	.00623	-.00291	-.00056	.00058	
514	.07543	3.61369	.08510	-.00221	.00028	.00101	
601	.10764	3.74224	.03060	-.00289	-.00003	-.00001	
603	.00705	3.42420	.04617	-.00235	.00003	.00161	
606	-.01856	3.55046	-.21003	-.00252	.00020	.00058	
611	.13360	3.74360	.19712	-.00197	-.00016	-.00081	
612	.14307	4.95823	.00668	.00429	-.00003	.00079	
613	.15361	3.42557	.16636	-.00131	.00014	.00236	
631	.11157	3.50122	.06342	-.00226	-.00012	.00004	
632	.09839	3.70165	.03732	-.00252	.00014	.00021	
633	.07340	3.26658	.06970	-.00168	.00010	.00153	
634	.13592	3.59655	-.06074	-.00092	.00075	.00070	
635	-.12907	3.43103	-.17231	-.00126	-.00110	.00069	
636	-.04329	3.30903	-.26483	-.00213	.00029	.00056	
651	.11858	3.41052	.09420	-.00205	-.00012	.00003	
653	.07612	3.14066	.09102	-.00148	.00010	.00151	
656	-.07256	3.24660	-.31843	-.00198	.00033	.00053	
661	.12914	3.41220	.19748	-.00184	-.00020	-.00142	

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S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

3-PILE ACRR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
662	.14367	5.54466	.00662	.00320	-.00002	.00064	
663	.15853	3.14232	.16647	-.00140	.00017	.00294	
701	.12408	3.23976	.13001	-.00209	-.00009	-.00010	
702	.10235	3.11307	.07581	-.00145	-.00002	.00047	
703	.08080	2.99670	.11602	-.00156	.00010	.00162	
704	.00224	3.16473	-.17007	-.00109	.00025	.00018	
705	-.00797	3.04302	-.13670	-.00094	.00002	.00086	
706	-.10741	3.08623	-.37575	-.00199	.00032	.00048	
707	.12267	3.24711	.16377	-.00209	-.00009	-.00010	
708	.10478	2.90225	.14208	-.00157	.00009	.00159	
709	-.12873	3.09453	-.43570	-.00199	.00031	.00051	
710	-.17005	2.88257	.00179	-.00407	.00085	-.00046	
711	.30371	2.46860	.00878	-.00336	-.00062	.00191	
712	-.01030	3.04159	-.12844	-.00228	-.00007	.00047	
801	.15515	1.97049	.30734	-.00341	-.00015	-.00059	
802	.13004	1.86105	.28143	-.00284	.00008	.00023	
803	.10714	1.80598	.34254	-.00338	.00019	.00164	
804	.00363	1.94529	-.20149	-.00184	.00052	.00069	
805	-.00995	1.79330	-.23877	-.00184	-.00038	.00068	
806	-.25769	1.84871	-.76592	-.00356	.00008	.00064	
807	.14592	1.97239	.36235	-.00342	-.00014	-.00055	
808	.13214	1.77409	.39831	-.00338	.00019	.00163	
809	-.27823	1.86537	-.87299	-.00356	.00008	.00062	
810	-.30154	1.09405	.00207	-.00335	-.00023	-.00050	
811	.47805	1.06228	.05363	-.00292	.00060	.00152	
812	-.00757	1.75411	-.21613	-.00385	-.00011	.00057	
1001	.17801	.84531	.43133	-.00318	-.00002	-.00037	
1002	.11751	.50753	.45726	-.00498	.00007	.00051	
1003	.05898	.27768	.48695	-.00372	.00021	.00134	
1004	-.03849	.56911	-.24796	-.00332	.00081	.00086	
1005	-.04973	.40396	-.32274	-.00355	-.00107	.00033	
1006	-.20573	.30844	-1.02690	-.00360	-.00035	.00044	
1007	.17730	.54860	.48025	-.00317	-.00002	-.00038	
1008	.07300	.25807	.54897	-.00372	.00021	.00134	
1009	-.22058	.37506	-1.14259	-.00381	-.00035	.00043	
1010	-.03572	-.08336	.14487	.00127	-.00069	.00006	OBLIQUE
1010	-.07404	.08390	.12919	-.00123	-.00076	-.00005	GLOBAL
1011	.02998	-.09496	.15484	.00148	.00058	.00081	OBLIQUE
1011	.08823	.08546	.13712	-.00112	.00107	.00090	GLOBAL
1012	-.00040	.17249	-.37457	-.00268	-.00001	.00048	OBLIQUE
1012	-.00040	.25166	-.34116	-.00268	-.00009	.00047	GLOBAL

6.12

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
101	.04021	-6.56917	-.07770	.00020	-.00004	.00358	
102	.04199	-6.49577	-.16215	.00008	-.00012	-.00068	
103	.04369	-6.41452	-.11493	.00030	-.00010	-.00306	
104	.10747	-6.53303	-.12014	.00033	-.00014	-.00110	
105	.10891	-6.45604	-.11306	.00059	.00015	.00013	
106	.17368	-6.49700	.01967	.00053	.00044	-.00073	
201	.04042	-6.52621	-.07621	.00020	-.00013	.00374	
202	.05054	-6.43705	-.20348	-.00035	-.00017	-.00068	
203	.06042	-6.36805	-.11349	.00007	.00012	-.00317	
204	.09942	-6.46084	-.13358	.00077	-.00072	-.00100	
205	.10096	-6.40659	-.28256	.00011	-.00088	.00040	
206	.11401	-6.42857	.02152	.00029	.00012	-.00065	
301	.05538	-6.27462	-.07273	.00366	.00001	.00422	
303	.05224	-6.12209	-.10483	.00386	-.00007	-.00356	
306	.06838	-6.16270	.02108	.00409	.00039	-.00032	
401	-.02125	-3.92868	-.05842	.00432	-.00019	.00062	
403	.09815	-3.83762	-.08706	.00412	.00044	-.00130	
406	-.09892	-3.77393	.01560	.00354	-.00003	.00003	
501	-.00397	-3.70397	-.08276	.00377	-.00009	.00073	
502	.03027	-3.53686	-.15567	.00257	-.00017	-.00020	
503	.07054	-3.62105	-.10830	.00351	.00033	-.00118	
504	.00655	-3.61784	-.00264	-.00007	-.00157	.00003	
505	.02080	-3.63103	-.03217	.00000	.00136	.00070	
506	-.09636	-3.59473	.05958	.00316	-.00008	.00003	
507	.00254	-3.70362	-.13607	.00377	-.00009	.00074	
508	.05347	-3.60859	-.15213	.00351	.00033	-.00119	
509	-.09704	-3.61224	.15418	.00316	-.00008	.00003	
510	-.00234	-3.69072	-.06645	.00420	-.00042	.00084	
511	.06327	-3.60758	-.09186	.00397	.00068	-.00130	
512	-.09732	-3.59318	.02865	.00303	-.00004	.00004	
513	-.00693	-3.70229	-.17208	.00263	.00065	-.00012	
514	.06073	-3.60627	-.17035	.00214	-.00018	-.00031	
601	-.00590	-3.40860	-.11808	.00271	.00014	.00056	
603	.04878	-3.40452	-.13314	.00234	.00009	-.00098	
606	-.06049	-3.39742	.11997	.00249	-.00020	.00004	
611	.01534	-3.47047	-.30831	.00191	-.00009	.00156	
612	.00713	-4.59255	-.34325	-.00423	.00008	-.00011	
613	-.00104	-3.40619	-.28617	.00137	.00028	-.00194	
651	-.01379	-3.24314	-.14976	.00212	.00021	.00050	
652	.03890	-3.50209	-.16234	.00235	-.00017	.00037	
653	.03960	-3.25326	-.15402	.00169	-.00001	-.00091	
654	-.14848	-3.35429	-.07154	.00091	-.00070	-.00013	
655	.10522	-3.30809	.03892	.00130	.00118	-.00005	
656	-.06979	-3.23849	.17404	.00209	-.00028	.00005	
661	-.02336	-3.14521	-.17431	.00194	.00018	.00051	
663	.03407	-3.13258	-.17267	.00149	-.00001	-.00091	
666	-.04911	-3.09957	.22480	.00195	-.00051	.00008	
601	.00936	-3.14680	-.30915	.00230	-.00006	.00221	

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S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 8

PAGE 8
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
662	-.00563	-5.46017	-.44328	-.00298	.00008	-.00001	
663	-.02065	-5.13416	-.28307	.00201	.00022	-.00254	
701	-.02928	-2.97782	-.21310	.00195	.00012	.00063	
702	-.00162	-2.97386	-.25131	.00126	.00001	.00011	
703	.02544	-2.99618	-.19418	.00154	.00001	-.00102	
704	-.01624	-2.95934	-.00122	.00119	-.00059	.00059	
705	-.00599	-2.97050	-.02975	.00105	.00017	-.00024	
706	-.02361	-2.94221	.28331	.00198	-.00031	.00011	
707	-.01992	-2.97056	-.24556	.00195	.00012	.00063	
708	.01100	-2.97710	-.21711	.00154	.00001	-.00100	
709	-.02424	-2.95070	.34299	.00198	-.00051	.00008	
710	.25041	-2.47925	-.08165	.00370	-.00067	.00095	
711	-.26358	-2.45522	-.08715	.00343	.00093	-.00133	
712	-.07570	-2.90046	.05164	.00221	-.00011	.00009	
801	-.03969	-1.72727	-.37584	.00326	.00007	.00108	
802	-.01357	-1.79541	-.41435	.00258	-.00004	.00057	
803	.01194	-1.89038	-.39713	.00314	-.00012	-.00109	
804	-.03159	-1.77572	.10637	.00185	-.00060	-.00008	
805	-.01808	-1.79134	.08892	.00186	.00049	-.00004	
806	.07792	-1.75762	.66497	.00348	-.00003	-.00010	
807	-.02375	-1.71553	-.42643	.00326	.00006	.00104	
808	-.00432	-1.87725	-.44745	.00314	-.00012	-.00108	
809	.06093	-1.77408	.76949	.00348	-.00003	-.00009	
810	.32113	-1.01552	-.12697	.00301	.00034	.00095	
811	-.41566	-1.05039	-.11702	.00299	-.00043	-.00102	
812	-.03107	-1.66865	.14716	.00367	-.00009	-.00008	
1001	-.04901	-.42565	-.49159	.00315	.00009	.00080	
1002	.00502	-.48409	-.51460	.00494	-.00004	.00014	
1003	.05730	-.46503	-.52770	.00364	-.00020	-.00089	
1004	-.01637	-.46355	.16640	.00317	-.00072	-.00024	
1005	-.00348	-.48129	.24512	.00342	.00103	.00035	
1006	-.02290	-.34195	.91802	.00341	.00059	.00001	
1007	-.04119	-.41807	-.54186	.00315	.00009	.00080	
1008	.04655	-.45760	-.58812	.00364	-.00020	-.00090	
1009	-.02134	-.34964	1.02170	.00341	.00059	.00001	
1010	.03216	.07670	-.19035	-.00118	.00062	.00036	OBLIQUE
1010	.07661	-.08127	-.17515	.00107	.00075	.00045	GLOBAL
1011	-.03126	.08421	-.19523	-.00133	-.00060	-.00039	OBLIQUE
1011	-.08417	-.08459	-.17873	.00112	-.00069	-.00048	GLOBAL
1012	-.00158	-.10681	.31228	.00258	-.00003	-.00005	OBLIQUE
1012	-.00158	-.21583	.28065	.00258	-.00002	-.00006	GLOBAL

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S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	2.66326	6.70352	-.08716	-.00022	.00005	.00235	
102	2.66434	5.56534	-.12634	-.00039	.00027	.00702	
103	2.66520	4.42599	.00148	-.00027	.00040	.00791	
104	1.67950	6.13408	-.16853	-.00003	-.00003	.00716	
105	1.67851	4.99453	-.14068	-.00021	.00040	.00613	
106	.69129	5.56212	-.12287	-.00026	-.00012	.00713	
201	2.63411	6.66950	-.06572	-.00022	.00021	.00218	
202	2.62473	5.52098	-.14024	-.00105	.00026	.00704	
203	2.61510	4.38545	.00295	-.00025	.00023	.00797	
204	1.65223	6.08262	-.20648	.00008	-.00044	.00708	
205	1.65094	4.95711	-.30325	-.00081	-.00049	.00592	
206	.70625	5.51649	-.12159	.00003	-.00000	.00707	
301	2.57035	6.46871	-.08204	-.00291	.00024	.00164	
303	2.54559	4.16734	.00375	-.00340	.00020	.00621	
306	.59063	5.31864	-.11377	-.00353	.00001	.00689	
401	2.20508	4.49764	-.06565	-.00431	.00142	.00413	
403	2.30105	2.25611	.00742	-.00275	.00146	.00598	
406	.59073	3.32097	-.09075	-.00299	.00068	.00569	
501	2.23468	4.31477	-.05665	-.00366	.00115	.00425	
502	2.24536	3.19836	-.02260	-.00199	-.00020	.00651	
503	2.25219	2.07170	.04139	-.00237	.00139	.00592	
504	1.33725	3.72563	-.15010	-.00008	.00175	.00594	
505	1.32705	2.65255	-.07139	.00050	-.00039	.00577	
506	.50222	3.16468	-.12833	-.00207	.00070	.00569	
507	2.30308	4.44360	-.03176	-.00366	.00114	.00423	
508	2.34944	1.93031	.11260	-.00237	.00139	.00591	
509	.33504	3.16419	-.20828	-.00267	.00070	.00568	
510	2.21850	4.26998	-.05765	-.00453	.00173	.00403	
511	2.25179	2.07139	.01624	-.00252	.00127	.00591	
512	.50716	3.16746	-.10034	-.00258	.00053	.00564	
513	2.32440	4.46972	-.02378	-.00221	.00038	.00518	
514	2.35559	1.89910	.15303	-.00170	.00164	.00546	
601	2.19496	4.14508	-.04260	-.00241	.00072	.00444	
603	2.19814	1.87252	.06622	-.00161	.00118	.00579	
606	.30256	3.00124	-.16105	-.00216	.00075	.00566	
611	2.60005	4.14629	.07964	-.00139	.00038	.00492	
612	2.60497	4.19274	-.04971	.00404	.00052	.00563	
613	2.61941	1.87368	.16129	-.00110	.00064	.00709	
631	2.17664	4.04613	-.03152	-.00172	.00055	.00446	
632	2.19234	3.06663	.01451	-.00267	.00039	.00519	
633	2.15590	1.71363	.12627	-.00124	.00105	.00573	
634	1.47210	3.65037	-.07694	-.00070	.00093	.00574	
635	1.15501	2.34912	-.10336	-.00054	.00023	.00548	
636	.25819	2.80151	-.22891	-.00187	.00063	.00563	
651	2.16306	3.97993	-.02224	-.00147	.00058	.00441	
653	2.11958	1.57073	.16409	-.00118	.00100	.00571	
656	.12720	2.73652	-.27431	-.00175	.00093	.00560	
661	2.40725	3.98151	.06115	-.00161	.00081	.00396	

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LOAD CONDITION NO. 9

SPILE ACTR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	2.49310	4.74818	-.04976	.00316	.00087	.00567	
603	2.49125	1.57211	.20112	-.00059	.00120	.00761	
701	2.13495	5.41046	-.01292	-.00149	.00066	.00419	
702	2.11191	2.55369	.04025	-.00115	.00034	.00542	
703	2.17803	1.59746	.20965	-.00134	.00102	.00574	
704	1.64124	3.24491	-.20009	-.00097	.00062	.00553	
705	1.53225	1.99712	-.07877	-.00069	.00054	.00598	
706	-.05321	2.59555	-.32651	-.00174	.00101	.00556	
707	2.20534	4.12576	-.00773	-.00149	.00066	.00419	
708	2.16855	1.25472	.25642	-.00135	.00101	.00569	
709	-.19475	2.56270	-.37895	-.00174	.00101	.00555	
710	1.60509	2.97469	-.03565	-.00519	.00269	.00347	
711	2.04959	1.36182	.02555	-.00095	.00144	.00555	
712	.15375	2.75696	-.11359	-.00199	-.00016	.00534	
801	1.61155	3.14708	-.02075	-.00272	.00136	.00338	
802	1.75977	1.50535	.22425	-.00242	.00076	.00560	
803	1.70240	.10649	.54942	-.00307	.00163	.00519	
804	.41362	2.35991	-.36439	-.00176	.00150	.00608	
805	.40290	.75957	-.08079	-.00126	.00072	.00583	
806	-1.03135	1.55927	-.64520	-.00300	.00164	.00539	
807	1.50574	3.22458	-.01534	-.00272	.00136	.00338	
808	1.70794	-.01154	.65809	-.00307	.00163	.00517	
809	-1.10454	1.55335	-.75539	-.00300	.00165	.00534	
810	.65002	1.15209	-.01772	-.00437	.00241	.00306	
811	1.27205	.70191	.10501	-.00096	.00307	.00473	
812	.41553	1.40076	-.10655	-.00322	-.00005	.00490	
1001	1.52551	2.50001	-.01804	-.00257	.00160	.00301	
1002	1.51400	.43506	.90256	-.00434	.00139	.00617	
1003	1.21515	-1.51609	.77066	-.00347	.00152	.00446	
1004	-.30517	1.36579	-.41384	-.00331	.00280	.00622	
1005	-.51609	-.52506	-.10047	-.00253	.00108	.00574	
1006	-1.94349	.31810	-.86221	-.00315	.00147	.00444	
1007	1.37555	2.36901	-.02114	-.00236	.00160	.00294	
1008	1.26217	-1.42050	.86362	-.00349	.00151	.00441	
1009	-.05757	.31558	-.95800	-.00315	.00148	.00443	
1010	-.00220	-.00297	-.01328	.00003	-.00118	.00334	OBLIQUE
1010	.03135	.05417	-.01359	-.00150	.00083	.00310	GLOBAL
1011	-.00432	-.14724	.25504	.00228	-.00005	.00393	OBLIQUE
1011	.10431	.08972	.22736	-.00051	.00234	.00386	GLOBAL
1012	-.00104	.14464	-.31652	-.00224	-.00002	.00407	OBLIQUE
1012	-.00104	.19515	-.29022	-.00224	-.00068	.00401	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	-2.83455	-6.46784	-.01602	.00011	-.00030	-.00202	
102	-2.83243	-5.39133	-.13975	-.00005	-.00033	-.00686	
103	-2.82992	-4.30982	-.12871	.00027	-.00052	-.00658	
104	-1.90003	-5.93035	-.09269	.00024	-.00040	-.00658	
105	-1.89904	-4.85061	-.12920	.00040	-.00006	-.00573	
106	-.96451	-5.39251	.00231	.00040	.00001	-.00808	
201	-2.76498	-6.43916	-.01454	.00014	-.00043	-.00185	
202	-2.77803	-5.34625	-.16198	-.00043	-.00036	-.00695	
203	-2.77165	-4.26004	-.12725	.00016	-.00012	-.00660	
204	-1.85249	-5.88172	-.11124	.00062	-.00094	-.00651	
205	-1.85144	-4.80896	-.29569	-.00008	-.00102	-.00557	
206	-.95554	-5.34366	.00401	.00022	-.00019	-.00816	
301	-2.70247	-6.26058	-.01092	.00263	-.00044	-.00095	
303	-2.73500	-4.02916	-.11907	.00351	-.00030	-.00671	
306	-.90192	-5.15630	.00585	.00310	-.00030	-.00777	
401	-2.38266	-4.44024	-.01476	.00411	-.00149	-.00397	
403	-2.39301	-2.21929	-.10318	.00257	-.00149	-.00567	
406	-.70438	-3.29165	.00396	.00295	-.00062	-.00584	
501	-2.32765	-4.26633	-.02219	.00348	-.00122	-.00409	
502	-2.33706	-3.16513	-.10322	.00178	.00016	-.00651	
503	-2.34229	-2.04676	-.13674	.00220	-.00142	-.00563	
504	-1.43800	-3.68863	.02468	.00018	-.00186	-.00586	
505	-1.42820	-2.62417	-.06754	-.00046	.00036	-.00574	
506	-.60720	-3.14199	.04130	.00266	-.00083	-.00563	
507	-2.39421	-4.39006	-.04262	.00348	-.00121	-.00407	
508	-2.43516	-1.91196	-.20632	.00220	-.00141	-.00562	
509	-.43659	-3.15663	.12069	.00265	-.00083	-.00582	
510	-2.31167	-4.24123	-.02073	.00436	-.00179	-.00387	
511	-2.34141	-2.04585	-.10967	.00216	-.00131	-.00562	
512	-.61196	-3.14045	.01467	.00255	-.00066	-.00578	
513	-2.41467	-4.41660	-.04961	.00207	-.00044	-.00503	
514	-2.43758	-1.88526	-.25015	.00153	-.00108	-.00511	
601	-2.26364	-4.10527	-.03402	.00230	-.00075	-.00429	
603	-2.26412	-1.85943	-.18122	.00153	-.00122	-.00553	
606	-.47887	-2.97550	.09426	.00213	-.00066	-.00578	
611	-2.60022	-4.10867	-.18331	.00142	-.00070	-.00486	
612	-2.66850	-4.16341	-.35163	-.00383	-.00057	-.00579	
613	-2.69628	-1.86085	-.30636	.00115	-.00055	-.00699	
631	-2.20245	-4.01203	-.04321	.00162	-.00058	-.00432	
632	-2.24661	-3.04508	-.14017	.00268	-.00045	-.00514	
633	-2.23733	-1.70698	-.22093	.00121	-.00109	-.00549	
634	-1.58603	-3.60462	-.04175	.00073	-.00098	-.00574	
635	-1.20844	-2.55026	-.03738	.00049	-.00038	-.00546	
636	-.34297	-2.83844	.14237	.00165	-.00094	-.00574	
651	-2.24564	-3.95093	-.05036	.00138	-.00062	-.00427	
653	-2.19679	-1.56071	-.25861	.00120	-.00104	-.00549	
656	-.20345	-2.71564	.16814	.00172	-.00103	-.00570	
661	-2.55907	-3.95231	-.16247	.00211	-.00116	-.00384	

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LOAD CONDITION NO. 10

3-PILE ACRR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
562	-2.55201	-4.66106	-.35166	-.00278	-.00091	-.00566	
563	-2.50320	-1.56799	-.32596	.00112	-.00101	-.00771	
701	-2.21722	-3.86768	-.05609	.00139	-.00073	-.00407	
702	-2.10746	-2.61376	-.19697	.00094	-.00039	-.00544	
703	-2.15242	-1.39462	-.30346	.00134	-.00102	-.00554	
704	-1.11899	-3.23066	.04603	.00108	-.00062	-.00553	
705	-1.10996	-1.98117	-.09238	.00075	-.00046	-.00599	
706	-.03303	-2.57500	.24117	.00177	-.00112	-.00566	
707	-2.20211	-4.00029	-.05865	.00139	-.00073	-.00406	
708	-2.23911	-1.25734	-.35044	.00135	-.00102	-.00549	
709	.13100	-2.58260	.29431	.00177	-.00113	-.00565	
710	-1.05342	-2.95162	-.03346	.00513	-.00273	-.00334	
711	-2.11375	-1.39165	-.10963	.00093	-.00152	-.00533	
712	-.24544	-2.53798	.03536	.00198	.00005	-.00544	
801	-1.64867	-3.12608	-.03131	.00269	-.00153	-.00328	
802	-1.79306	-1.56990	-.36495	.00227	-.00081	-.00560	
803	-1.73506	-.11040	-.63808	.00301	-.00166	-.00504	
804	-.45593	-2.34110	.22825	.00183	-.00169	-.00608	
805	-.44358	-.77751	-.06736	.00132	-.00065	-.00561	
806	.49206	-1.51924	.56710	.00307	-.00168	-.00544	
807	-1.90526	-3.22471	-.03165	.00269	-.00153	-.00328	
808	-1.61796	.00619	-.72662	.00301	-.00166	-.00502	
809	1.14674	-1.53390	.65930	.00307	-.00169	-.00539	
810	-.69295	-1.12218	-.03723	.00434	-.00250	-.00296	
811	-1.29613	-.71371	-.17812	.00100	-.00313	-.00459	
812	-.03555	-1.44343	.12355	.00320	.00059	-.00496	
1001	-1.31933	-2.28929	-.02312	.00255	-.00163	-.00294	
1002	-1.31596	-.42641	-.47312	.00437	-.00145	-.00613	
1003	-1.22141	1.50563	-.85821	.00361	-.00167	-.00437	
1004	.29526	-1.35560	.35123	.00328	-.00283	-.00622	
1005	.30600	.52438	.02148	.00249	-.00117	-.00570	
1006	1.92869	-.29751	.78646	.00294	-.00147	-.00450	
1007	-1.37104	-2.37746	-.01890	.00254	-.00163	-.00288	
1008	-1.20815	1.60488	-.95730	.00362	-.00167	-.00432	
1009	2.05576	-.30372	.87617	.00295	-.00148	-.00445	
1010	.00266	-.00451	-.02304	.00008	.00120	-.00327	OBLIQUE
1010	-.03196	-.05413	-.02346	.00145	-.00093	-.00303	GLOBAL
1011	.00417	.14494	-.31315	-.00226	.00007	-.00383	OBLIQUE
1011	-.17056	-.09349	-.26506	.00052	-.00231	-.00377	GLOBAL
1012	.00020	-.14636	.26728	.00225	-.00000	-.00410	OBLIQUE
1012	.00020	-.18827	.23961	.00225	.00067	-.00404	GLOBAL

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6.5 REACTIONS

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 7

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DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	6.5849	256.4226	-667.9413	-5040.8029	9366.7840	-59.4829	OBLIQUE
1010	336.4472	-205.0043	-813.9705	10530.5401	-251.3773	1481.3538	GLOBAL
1011	-6.2615	265.7545	-927.6308	-7616.7767	-7928.6723	-780.0077	OBLIQUE
1011	-356.1407	-212.5206	-671.3065	10469.4709	-2759.3561	-2073.0078	GLOBAL
1012	.3301	-490.1346	2244.0909	12836.9026	103.7451	-461.2353	OBLIQUE
1012	.3301	-651.9851	2133.1426	12836.9026	178.0766	-437.9361	GLOBAL
TOTAL	-17.3234	-1269.5101	447.8635	33836.9136	-2832.6568	-1029.5922	

610

STRAP - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 4

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	-7.3545	-226.3734	1140.3857	5186.5707	-8401.9757	-341.3648	OBLIQUE
1010	-352.2302	211.5053	1087.6479	-9722.7051	-384.7940	-1718.1189	GLOBAL
1011	6.9121	-225.4106	1169.6334	7339.5905	8153.4169	375.1112	OBLIQUE
1011	355.7947	213.0491	1116.6558	-10605.2659	2356.8458	1715.4720	GLOBAL
1012	.6662	480.4492	-1670.9156	-12300.7873	394.2530	49.7238	OBLIQUE
1012	.6662	781.1518	-1766.6235	-12300.7873	380.7360	113.7894	GLOBAL
TOTAL	4.2306	1205.7062	437.6802	-32620.7563	2354.7878	111.1425	

6.21

STRAN - REACTION FORCES AND MOMENTS

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	21.0508	22.9785	79.5702	600.0722	15793.6099	-3207.4325	OBLIQUE
1010	-2.2091	-23.0239	82.2654	13551.1949	-4741.8701	-567.0989	GLOBAL
1011	6.4988	427.5318	-1527.9825	-10777.2362	745.7545	-3775.4540	OBLIQUE
1011	-586.2701	-330.4103	-1436.6969	4200.6624	-10014.6150	-3601.4634	GLOBAL
1012	3.2501	-419.0474	1907.0928	10307.0720	56.6032	-3912.5600	OBLIQUE
1012	3.2501	-726.5241	1812.3924	10307.0720	698.3194	-3850.1532	GLOBAL
TOTAL	-565.2291	-1079.9583	457.7609	28064.9294	-18056.1637	-8018.7156	

6.22

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT	/--------FORCE IN KIPS--------			/--------MOMENT IN IN-KIPS--------			/---REMARKS---/
NUMBER	F-X	F-Y	F-Z	M-X	M-Y	M-Z	
1010	-21.5602	2.6741	138.0075	-1049.6811	-15964.3476	3142.7286	OBLIQUE
1010	-6.4201	26.6128	138.6019	-13560.5403	9031.1968	475.2039	GLOBAL
1011	-6.0202	-406.2699	1070.0973	11105.6775	-726.0488	3063.1023	OBLIQUE
1011	619.1577	349.9162	1763.4413	-4400.7704	10282.0562	3513.6084	GLOBAL
1012	-3.1603	434.0950	-1601.2833	-10074.5747	166.5762	3936.5725	OBLIQUE
1012	-3.1603	691.1593	-1508.2633	-10074.5747	-480.1399	3910.6166	GLOBAL
TOTAL	609.5633	1069.6805	411.7800	-28041.8854	18833.1151	7899.6289	

6.28

SECTION 7.0

TUBULAR JOINT ANALYSIS

7.1 INTRODUCTION

This section contains the analysis of all of the tubular joints of the structure. The tubular joints are separated into two groups, the Primary Joints and the Secondary Joints.

The Primary Joints are those joints involving the jacket legs. Section 7.2 displays the joint geometry and location for each of the Primary Joints. This section serves as a key to Section 7.3, the computer analysis of the Primary Joints.

The Secondary Joints are those joints involving the interior bracing at each of the horizontal levels. Section 7.4 displays the joint geometry and location for each of the Secondary Joints. This section serves as a key to Section 7.5, the computer analysis of the Secondary Joints.

The computer program used for the tubular joint analysis of this structure is a post-processor program for STRAN developed by Crest Offshore, Inc. This program is based on AISC and API criteria for stress in tubular members.

Reference Drawings:

3016265 Jacket - Elevations

3016266 Jacket - Plan at El. (+) 12'-0"

3016267 Jacket - Plan at El. (-) 13'-0" & (-) 47'-0"

3016268 Jacket - Plan at El. (-) 81'-0"

3016278 Superstructure - Elevations

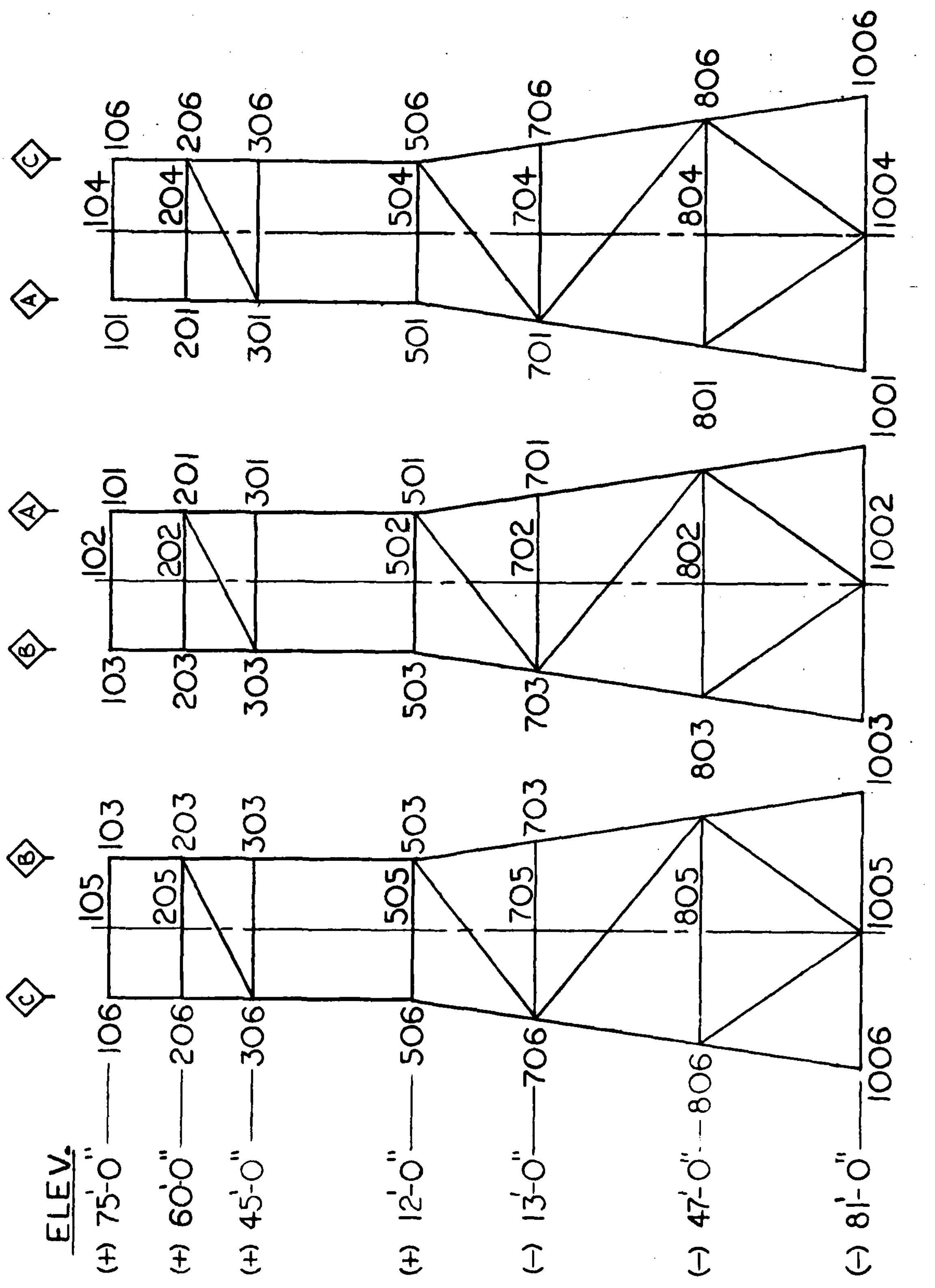
CREST OFFSHORE, INC.

Sheet 7.03 of ____

By L. Kirk Client U.S. Navy Subject DESIGN OF 81' MLW STRUCTURE

Date 8-18-76 Job No. 27-771-94 Calculation TUBULAR JOINT ANALYSIS

7.2 Joint Geometry - Primary Joints

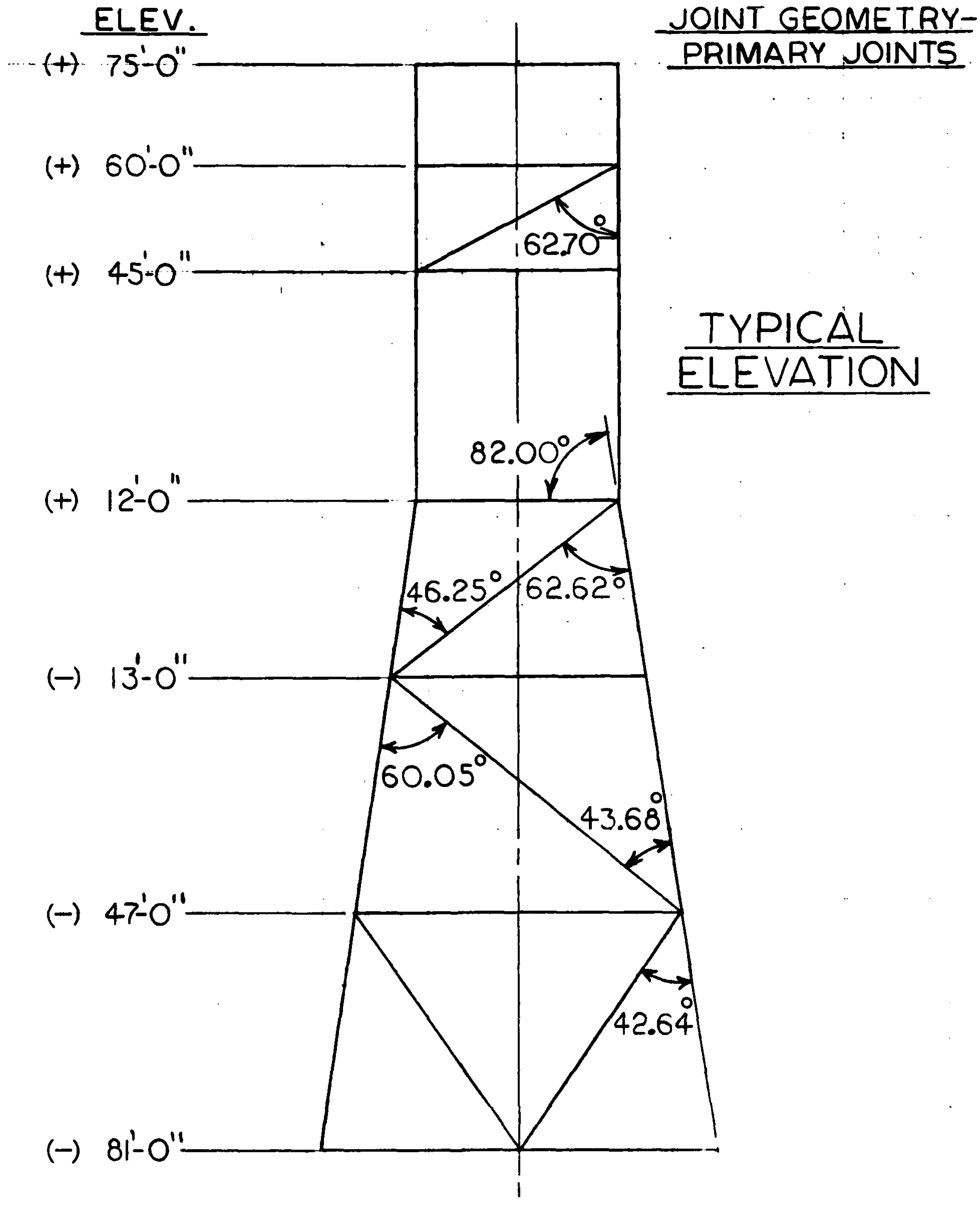


JOINT GEOMETRY - PRIMARY JOINTS

CREST OFFSHORE, INC.

Sheet 2 of

By L. Kirk Client U.S. Navy Subject Design of 81' MLW Structure
Date 8-18-76 Job No. 27-771-94 Calculation Tubular Joint Analysis



CREST OFFSHORE, INC.

Sheet 105 of

By WA Client U.S. NAVY Subject DESIGN OF 3L MOD STRUCTURE
Date 4-5-76 Job No. 27-771-94 Calculation

7.3 PUNCHING SHEAR ANALYSIS - PRIMARY JOINTS

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30,000	1,500	1	-0,00	36
201	303	12,750	,500	1	62,65	36
203	303	30,000	1,500	1	-0,00	36
203	306	12,750	,500	1	62,65	36
206	306	30,000	1,500	1	-0,00	36
206	301	12,750	,500	1	62,65	36
201	301	30,000	1,500	2	-0,00	36
206	301	12,750	,750	2	62,65	36
301	306	12,750	,750	1	90,00	36
301	401	30,000	1,500	1	-0,00	36
301	306	12,750	,750	1	90,00	36
203	303	30,000	1,500	2	-0,00	36
201	303	12,750	,750	2	62,65	36
301	303	12,750	,750	2	90,00	36
303	403	30,000	1,500	1	-0,00	36
301	303	12,750	,750	2	90,00	36
206	306	30,000	1,500	2	-0,00	36
203	306	12,750	,750	2	62,65	36
303	306	12,750	,750	2	90,00	36
306	406	30,000	1,500	1	-0,00	36
303	306	12,750	,750	2	90,00	36
401	501	48,000	1,750	2	-0,00	36
501	502	16,000	1,000	1	81,82	36
501	504	16,000	1,000	1	81,82	36
501	601	48,000	1,750	1	-0,00	36
501	502	16,000	1,000	1	81,82	36
501	504	16,000	1,000	1	81,82	36
501	632	20,000	1,000	1	62,63	36
403	503	48,000	1,750	2	-0,00	36
502	503	16,000	1,000	2	81,82	36
503	505	16,000	1,000	1	81,82	36
503	603	48,000	1,750	1	-0,00	36
502	503	16,000	1,000	2	81,82	36
503	505	16,000	1,000	1	81,82	36
503	63	20,000	1,000	1	62,63	36
406	506	48,000	1,750	2	-0,00	36
504	506	16,000	1,000	2	81,82	36
505	506	16,000	1,000	2	81,82	36
506	606	48,000	1,750	1	-0,00	36
504	506	16,000	1,000	2	81,82	36
505	506	16,000	1,000	2	81,82	36
506	634	20,000	1,000	1	62,63	36
651	701	47,000	1,500	2	-0,00	36
701	702	12,750	,375	1	81,82	36
701	704	12,750	,375	1	81,82	36
634	701	20,000	,750	2	46,26	36
701	801	47,000	1,500	1	-0,00	36
701	702	12,750	,375	1	81,82	36
701	704	12,750	,375	1	81,82	36
701	806	20,000	,875	1	60,05	36
653	703	47,000	1,500	2	-0,00	36
702	703	12,750	,375	2	81,82	36

7.06

7.07

703	705	12,750	.375	1	81,82	36
632	[illegible]	20,000	.750	2	46,26	36
703	[illegible]	47,000	1,500	1	-0,00	36
702	[illegible]	12,750	.375	2	81,82	36
703	705	12,750	.375	1	81,82	36
703	801	20,000	.875	1	60,05	36
656	706	47,000	1,500	2	-0,00	36
635	706	20,000	.750	2	46,26	36
705	706	12,750	.375	2	81,82	36
704	706	12,750	.375	2	81,82	36
706	806	47,000	1,500	1	-0,00	36
704	706	12,750	.375	2	81,82	36
705	706	12,750	.375	2	81,82	36
706	803	20,000	.875	1	60,05	36
701	801	46,000	1,125	2	-0,00	36
801	802	16,000	.500	1	81,82	36
801	804	16,000	.500	1	81,82	36
703	801	20,000	.750	2	43,68	36
801	1001	46,000	1,125	1	-0,00	36
801	802	16,000	.500	1	81,82	36
801	804	16,000	.500	1	81,82	36
801	1002	16,000	.750	1	42,64	36
801	1004	16,000	.750	1	42,64	36
703	803	46,000	1,125	2	-0,00	36
802	803	16,000	.500	2	81,82	36
803	805	16,000	.500	1	81,82	36
706	803	20,000	.750	2	43,68	36
803	1003	46,000	1,125	1	-0,00	36
802	803	16,000	.500	2	81,82	36
803	805	16,000	.500	1	81,82	36
803	1002	16,000	.750	1	42,64	36
803	1005	16,000	.750	1	42,64	36
706	806	46,000	1,125	2	-0,00	36
804	806	16,000	.500	2	81,82	36
805	806	16,000	.500	2	81,82	36
701	806	20,000	.750	2	43,68	36
806	1006	46,000	1,125	1	-0,00	36
804	806	16,000	.500	2	81,82	36
805	806	16,000	.500	2	81,82	36
806	1004	16,000	.750	1	42,64	36
806	1005	16,000	.750	1	42,64	36
801	1001	46,000	1,125	2	-0,00	36
1001	1002	18,000	.500	1	81,82	36
1001	1004	18,000	.500	1	81,82	36
803	1003	46,000	1,125	2	-0,00	36
1002	1003	18,000	.500	2	81,82	36
1003	1005	18,000	.500	1	81,82	36
806	1006	46,000	1,125	2	-0,00	36
1004	1006	18,000	.500	2	81,82	36
1005	1006	18,000	.500	2	81,82	36
1001	1002	24,000	.875	2	-0,00	36
801	1002	16,000	.500	2	55,54	36
1002	1003	24,000	.875	1	-0,00	36
803	1002	16,000	.500	2	55,54	36
1001	1004	24,000	.875	2	-0,00	36
801	1004	16,000	.500	2	55,54	36
1004	1006	24,000	.875	1	-0,00	36
806	1004	16,000	.500	2	55,54	36
1003	1005	24,000	.875	2	-0,00	36
803	1005	16,000	.500	2	55,54	36
1005	1006	24,000	.875	1	-0,00	36
806	1005	16,000	.500	2	55,54	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.275[illegible]E+01	5.000000E-01	1.924226E+01	5.671276E+01	3.600000E+01
2	1.275000E+01	7.500000E-01	2.827434E+01	8.014525E+01	3.600000E+01
3	1.600000E+01	1.000000E+00	4.712389E+01	1.664062E+02	3.600000E+01
4	2.000000E+01	1.000000E+00	5.969027E+01	2.700984E+02	3.600000E+01
5	1.275000E+01	3.750000E-01	1.457896E+01	4.381725E+01	3.600000E+01
6	2.000000E+01	7.500000E-01	4.535675E+01	2.104127E+02	3.600000E+01
7	2.000000E+01	8.750000E-01	5.257260E+01	2.408687E+02	3.600000E+01
8	1.600000E+01	5.000000E-01	2.434735E+01	9.149273E+01	3.600000E+01
9	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
10	1.600000E+01	5.000000E-01	2.748894E+01	1.170188E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
7	1.330
8	1.330
9	1.330
10	1.330

END OF INFORMATION READ = FORCE

456 RECORDS TO BE SORTED

7.98

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201 301	201	7		30.00	1.500	.421	1.231		
			201 303	12.75	.500	.073	10.813	3.068	11.003
201 301	201	8		30.00	1.500	.364	.341		
			201 303	12.75	.500	.220	4.076	1.209	11.003
201 301	201	9		30.00	1.500	.386	1.349		
			201 303	12.75	.500	.486	5.370	1.646	11.003
201 301	201	10		30.00	1.500	.379	.229		
			201 303	12.75	.500	.294	7.183	2.105	11.003
203 303	203	7		30.00	1.500	.014	1.739		
			203 306	12.75	.500	7.471	5.259	3.510	11.003
203 303	203	8		30.00	1.500	.929	.233		
			203 306	12.75	.500	6.894	5.061	3.466	11.003
203 303	203	9		30.00	1.500	.071	1.612		
			203 306	12.75	.500	6.140	3.244	2.580	11.003
203 303	203	10		30.00	1.500	.577	.761		
			203 306	12.75	.500	5.947	5.494	3.162	11.003
206 306	206	7		30.00	1.500	1.015	1.056		
			206 301	12.75	.500	8.497	9.684	5.036	11.003
206 306	206	8		30.00	1.500	.022	2.020		
			206 301	12.75	.500	7.463	7.197	4.054	11.003
206 306	206	9		30.00	1.500	.838	.842		
			206 301	12.75	.500	5.752	5.365	3.073	11.003
206 306	206	10		30.00	1.500	.185	1.634		
			206 301	12.75	.500	4.775	14.434	5.365	11.003
201 301	301	7		30.00	1.500	.448	12.454		
			206 301	12.75	.750	5.756	5.457	4.651	10.953
			301 306	12.75	.750	3.903	6.987	5.845	10.953

7.09

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLH STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	301	8			30.00	1.500	.391	10.966		
				206	301	12.75	.750	5.108	2.811	3.268	11.003
				301	306	12.75	.750	3.580	9.224	6.402	11.003
201	301	301	9			30.00	1.500	.413	9.011		
				206	301	12.75	.750	3.887	.632	1.849	11.003
				301	306	12.75	.750	3.179	6.225	4.702	11.003
201	301	301	10			30.00	1.500	.406	7.963		
				206	301	12.75	.750	3.278	14.675	7.540	11.003
				301	306	12.75	.750	3.171	9.384	6.277	11.003
301	401	301	7			30.00	1.500	.189	14.566		
				301	306	12.75	.750	3.903	6.987	5.445	10.598
301	401	301	8			30.00	1.500	.824	13.864		
				301	306	12.75	.750	3.580	9.224	6.402	10.611
301	401	301	9			30.00	1.500	.943	10.911		
				301	306	12.75	.750	3.179	6.225	4.702	11.003
301	401	301	10			30.00	1.500	.221	9.918		
				301	306	12.75	.750	3.171	9.384	6.277	11.003
203	303	303	7			30.00	1.500	.013	13.451		
				201	303	12.75	.750	.077	15.544	6.605	10.845
				301	303	12.75	.750	.215	14.475	7.345	10.845
203	303	303	8			30.00	1.500	.956	12.221		
				201	303	12.75	.750	.122	10.791	4.613	10.900
				301	303	12.75	.750	.178	13.366	6.772	10.900
203	303	303	9			30.00	1.500	.098	11.352		
				201	303	12.75	.750	.359	13.555	5.878	11.003
				301	303	12.75	.750	1.433	14.476	7.954	11.003
203	303	303	10			30.00	1.500	.904	9.938		
				201	303	12.75	.750	.172	1.599	.662	11.003
				301	303	12.75	.750	1.845	10.932	6.389	11.003
303	403	303	7			30.00	1.500	.058	13.285		
				301	303	12.75	.750	.215	14.475	7.345	10.868

7.10

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303	403	303	8			30.00	1.500	1.023	12.528		
				301	303	12.75	.750	.178	13.366	6.772	10.829
303	403	303	9			30.00	1.500	.211	11.197		
				301	303	12.75	.750	1.433	14.476	7.954	11.003
303	403	303	10			30.00	1.500	.915	10.438		
				301	303	12.75	.750	1.845	10.932	6.389	11.003
206	306	306	7			30.00	1.500	1.042	14.991		
				203	306	12.75	.750	5.112	4.687	4.063	10.353
				303	306	12.75	.750	2.383	10.558	6.470	10.353
206	306	306	8			30.00	1.500	.049	14.862		
				203	306	12.75	.750	4.663	3.028	3.179	10.568
				303	306	12.75	.750	1.952	9.812	5.882	10.568
206	306	306	9			30.00	1.500	.864	11.319		
				203	306	12.75	.750	4.206	3.948	3.381	11.003
				303	306	12.75	.750	2.524	6.904	4.714	11.003
206	306	306	10			30.00	1.500	.212	10.899		
				203	306	12.75	.750	4.020	3.847	3.263	11.003
				303	306	12.75	.750	3.370	5.093	4.232	11.003
306	406	306	7			30.00	1.500	1.602	16.513		
				303	306	12.75	.750	2.383	10.558	6.470	9.954
306	406	306	8			30.00	1.500	.360	15.493		
				303	306	12.75	.750	1.952	9.812	5.882	10.388
306	406	306	9			30.00	1.500	1.325	12.529		
				303	306	12.75	.750	2.524	6.904	4.714	10.771
306	406	306	10			30.00	1.500	.108	11.186		
				303	306	12.75	.750	3.370	5.093	4.232	11.003
401	501	501	7			48.00	1.750	3.757	8.860		
				501	502	16.00	1.000	3.108	3.569	3.645	8.733
				501	504	16.00	1.000	7.338	7.511	8.110	8.733

7.11

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FI MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/= -S T R E S S - =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401	501	501	8			48,00	1,750	3,725	8,269		
				501	502	16,00	1,000	4,010	3,500	4,105	8,733
				501	504	16,00	1,000	6,833	8,332	8,277	8,733
401	501	501	9			48,00	1,750	,446	9,834		
				501	502	16,00	1,000	1,092	5,734	3,708	8,733
				501	504	16,00	1,000	6,298	6,705	7,101	8,733
401	501	501	10			48,00	1,750	,351	9,531		
				501	502	16,00	1,000	,962	5,333	3,419	8,733
				501	504	16,00	1,000	5,702	7,653	7,286	8,733
501	601	501	7			48,00	1,750	3,769	8,056		
				501	502	16,00	1,000	3,108	3,569	3,645	8,733
				501	504	16,00	1,000	7,338	7,511	8,110	8,733
				501	632	20,00	1,000	,189	6,103	3,037	8,733
501	601	501	8			48,00	1,750	3,609	7,504		
				501	502	16,00	1,000	4,010	3,500	4,105	8,733
				501	504	16,00	1,000	6,833	8,332	8,277	8,733
				501	632	20,00	1,000	,155	6,159	3,049	8,733
501	601	501	9			48,00	1,750	1,197	8,967		
				501	502	16,00	1,000	1,092	5,734	3,708	8,733
				501	504	16,00	1,000	6,298	6,705	7,101	8,733
				501	632	20,00	1,000	4,854	5,310	4,823	8,733
501	601	501	10			48,00	1,750	1,058	8,729		
				501	502	16,00	1,000	,962	5,333	3,419	8,733
				501	504	16,00	1,000	5,702	7,653	7,286	8,733
				501	632	20,00	1,000	5,036	4,227	4,384	8,733
403	503	503	7			48,00	1,750	3,821	9,444		
				502	503	16,00	1,000	3,224	2,868	3,329	8,639
				503	505	16,00	1,000	3,255	6,337	5,226	8,639
403	503	503	8			48,00	1,750	3,645	9,273		
				502	503	16,00	1,000	4,115	3,052	3,920	8,691
				503	505	16,00	1,000	3,371	7,525	5,934	8,691
403	503	503	9			48,00	1,750	5,930	6,250		
				502	503	16,00	1,000	,698	2,747	1,873	8,733
				503	505	16,00	1,000	4,167	5,036	5,023	8,733

7.12

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
405	503	503	10			48.00	1.750	6.029	5.927		
				502	503	16.00	1.000	.534	4.209	2.575	8.733
				503	505	16.00	1.000	4.426	6.272	5.836	8.733
503	603	503	7			48.00	1.750	2.429	8.518		
				502	503	16.00	1.000	3.224	2.868	3.329	8.733
				503	505	16.00	1.000	3.255	6.337	5.226	8.733
				503	635	20.00	1.000	10.057	6.118	7.634	8.733
503	603	503	8			48.00	1.750	2.206	8.241		
				502	503	16.00	1.000	4.115	3.052	3.920	8.733
				503	505	16.00	1.000	3.371	7.525	5.934	8.733
				503	635	20.00	1.000	9.746	7.186	8.005	8.733
503	603	503	9			48.00	1.750	4.556	5.509		
				502	503	16.00	1.000	.698	2.747	1.873	8.733
				503	505	16.00	1.000	4.167	5.036	5.023	8.733
				503	635	20.00	1.000	9.804	5.910	7.415	8.733
503	603	503	10			48.00	1.750	4.581	5.028		
				502	503	16.00	1.000	.534	4.209	2.575	8.733
				503	505	16.00	1.000	4.426	6.272	5.836	8.733
				503	635	20.00	1.000	9.780	7.032	7.987	8.733
406	506	506	7			48.00	1.750	7.619	6.000		
				504	506	16.00	1.000	7.812	7.649	8.446	8.585
				505	506	16.00	1.000	2.658	7.582	5.570	8.585
406	506	506	8			48.00	1.750	7.382	5.617		
				504	506	16.00	1.000	7.304	6.088	7.321	8.679
				505	506	16.00	1.000	2.778	6.145	4.859	8.679
406	506	506	9			48.00	1.750	6.456	4.061		
				504	506	16.00	1.000	6.522	6.072	6.881	8.733
				505	506	16.00	1.000	3.591	6.796	5.660	8.733
406	506	506	10			48.00	1.750	6.467	4.509		
				504	506	16.00	1.000	5.896	4.041	5.761	8.733
				505	506	16.00	1.000	3.848	5.009	5.158	8.733
506	606	506	7			48.00	1.750	6.235	4.563		
				504	506	16.00	1.000	7.812	7.649	8.446	8.733
				505	506	16.00	1.000	2.654	7.582	5.570	8.733
				506	634	20.00	1.000	10.156	7.713	8.450	8.733

SAPCMK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY BIFI MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S- -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
506	606 506	8		48.00	1.750	6.119	4.479		
			504 506	16.00	1.000	7.304	6.088	7.321	8.733
			505 506	16.00	1.000	2.778	6.145	4.859	8.733
			506 634	20.00	1.000	9.695	6.248	7.528	8.733
506	606 506	9		48.00	1.750	5.095	3.431		
			504 506	16.00	1.000	6.522	6.072	6.881	8.733
			505 506	16.00	1.000	3.591	6.796	5.660	8.733
			506 634	20.00	1.000	7.081	7.493	6.914	8.733
506	606 506	10		48.00	1.750	5.606	3.546		
			504 506	16.00	1.000	5.896	4.641	5.761	8.733
			505 506	16.00	1.000	3.848	5.609	5.158	8.733
			506 634	20.00	1.000	6.838	6.493	6.318	8.733
651	701 701	7		47.00	1.500	4.720	.863		
			701 702	12.75	.375	2.801	2.129	1.179	7.930
			701 704	12.75	.375	.519	1.292	.431	7.930
			634 701	20.00	.750	13.358	2.986	4.846	7.930
651	701 701	8		47.00	1.500	4.312	.648		
			701 702	12.75	.375	3.537	2.323	1.403	7.930
			701 704	12.75	.375	1.219	2.677	.976	7.930
			634 701	20.00	.750	12.767	2.998	4.677	7.930
651	701 701	9		47.00	1.500	1.567	1.045		
			701 702	12.75	.375	3.611	2.451	1.451	7.930
			701 704	12.75	.375	3.011	1.681	1.124	7.930
			634 701	20.00	.750	9.311	4.171	4.040	7.930
651	701 701	10		47.00	1.500	1.188	1.082		
			701 702	12.75	.375	3.832	2.040	1.407	7.930
			701 704	12.75	.375	2.536	2.521	1.208	7.930
			634 701	20.00	.750	9.008	4.246	3.975	7.930
701	801 701	7		47.00	1.500	1.571	1.098		
			701 702	12.75	.375	2.801	2.129	1.179	7.930
			701 704	12.75	.375	.519	1.292	.431	7.930
			701 806	20.00	.875	9.124	4.731	6.493	7.930
701	801 701	8		47.00	1.500	1.265	1.049		
			701 702	12.75	.375	3.537	2.323	1.403	7.930
			701 704	12.75	.375	1.219	2.677	.976	7.930
			701 806	20.00	.875	8.668	5.597	6.705	7.930

7.14

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY 81FT MLW STRUCTURE 27-771-01   PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801	701	9			47,00	1,500	,510	1,051		
				701	702	12,75	,375	3,611	2,451	1,451	7,930
				701	704	12,75	,375	3,011	1,681	1,124	7,930
				701	806	20,00	,875	5,599	4,423	4,724	7,930
701	801	701	10			7,00	1,500	,852	1,223		
				701	702	12,75	,375	3,832	2,040	1,407	7,930
				701	704	12,75	,375	2,536	2,521	1,208	7,930
				701	806	20,00	,875	5,283	4,607	4,765	7,930
653	703	703	7			47,00	1,500	3,111	1,209		
				702	703	12,75	,375	2,775	1,005	,907	7,930
				703	705	12,75	,375	,484	2,486	,706	7,930
				632	703	20,00	,750	,242	6,282	2,061	7,930
653	703	703	8			47,00	1,500	2,551	,947		
				702	703	12,75	,375	3,512	1,479	1,197	7,930
				703	705	12,75	,375	,838	3,446	1,019	7,930
				632	703	20,00	,750	,196	6,201	2,022	7,930
653	703	703	9			47,00	1,500	5,712	1,224		
				702	703	12,75	,375	4,281	2,771	1,688	7,930
				703	705	12,75	,375	,532	2,310	,676	7,930
				632	703	20,00	,750	6,377	7,168	4,133	7,930
653	703	703	10			47,00	1,500	5,463	,974		
				702	703	12,75	,375	4,516	3,364	1,885	7,930
				703	705	12,75	,375	1,757	2,997	1,134	7,930
				632	703	20,00	,750	6,635	7,275	4,242	7,930
703	803	703	7			47,00	1,500	3,030	1,047		
				702	703	12,75	,375	2,775	1,005	,907	7,930
				703	705	12,75	,375	,484	2,486	,706	7,930
				703	801	20,00	,875	,267	5,891	2,987	7,930
703	803	703	8			47,00	1,500	2,535	,860		
				702	703	12,75	,375	3,512	1,479	1,197	7,930
				703	705	12,75	,375	,838	3,446	1,019	7,930
				703	801	20,00	,875	,108	6,129	3,030	7,930
703	803	703	9			47,00	1,500	4,103	1,114		
				702	703	12,75	,375	4,281	2,771	1,688	7,930
				703	705	12,75	,375	,532	2,310	,676	7,930
				703	801	20,00	,875	4,987	7,034	5,712	7,930

7.15

SAPCHK = CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = ,NAVY 81FT MLW STRUCTURE 27=771=01 PUNCHING SHEAR CHECK FOR STNAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703 803	703	10		47,00	1,500	3,782	,966		
			702 703	12,75	,375	4,516	3,364	1,885	7,930
			703 705	12,75	,375	1,757	2,997	1,134	7,930
			703 801	20,00	,875	5,031	7,709	6,060	7,930
656 706	706	7		47,00	1,500	7,362	,532		
			635 706	20,00	,750	13,244	4,565	5,313	7,930
			705 706	12,75	,375	1,651	3,453	1,216	7,930
			704 706	12,75	,375	1,697	3,578	1,257	7,930
656 706	706	8		47,00	1,500	7,289	,949		
			635 706	20,00	,750	12,819	4,581	5,194	7,930
			705 706	12,75	,375	2,008	2,642	1,110	7,930
			704 706	12,75	,375	2,399	2,966	1,281	7,930
656 706	706	9		47,00	1,500	6,484	,245		
			635 706	20,00	,750	12,909	,165	3,821	7,930
			705 706	12,75	,375	1,871	2,967	1,154	7,930
			704 706	12,75	,375	3,722	3,612	1,800	7,930
656 706	706	10		47,00	1,500	6,681	,718		
			635 706	20,00	,750	12,862	1,711	4,297	7,930
			705 706	12,75	,375	3,103	1,724	1,156	7,930
			704 706	12,75	,375	3,236	3,652	1,645	7,930
706 806	706	7		47,00	1,500	4,152	1,006		
			704 706	12,75	,375	1,697	3,578	1,257	7,930
			705 706	12,75	,375	1,651	3,453	1,216	7,930
			706 803	20,00	,875	9,275	6,699	7,617	7,930
706 806	706	8		47,00	1,500	4,236	1,209		
			704 706	12,75	,375	2,399	2,966	1,281	7,930
			705 706	12,75	,375	2,008	2,642	1,110	7,930
			706 803	20,00	,875	8,774	5,745	6,826	7,930
706 806	706	9		47,00	1,500	3,212	,934		
			704 706	12,75	,375	3,722	3,612	1,800	7,930
			705 706	12,75	,375	1,871	2,967	1,154	7,930
			706 803	20,00	,875	10,023	6,179	7,610	7,930
706 806	706	10		47,00	1,500	3,455	1,103		
			704 706	12,75	,375	3,236	3,652	1,645	7,930
			705 706	12,75	,375	3,103	1,724	1,156	7,930
			706 803	20,00	,875	9,968	5,094	7,058	7,930

7.16

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 61FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801 801	7		46.00	1.125	2.020	1.209		
			801 802	16.00	.500	2.483	.609	1.404	6.547
			801 804	16.00	.500	5.509	2.980	3.615	6.547
			703 801	20.00	.750	.302	7.036	3.278	6.547
701	801 801	8		46.00	1.125	1.814	1.514		
			801 802	16.00	.500	2.668	1.060	1.589	6.547
			801 804	16.00	.500	4.700	3.738	3.588	6.547
			703 801	20.00	.750	.117	8.018	3.284	6.547
701	801 801	9		46.00	1.125	.793	1.261		
			801 802	16.00	.500	5.401	5.007	4.423	6.547
			801 804	16.00	.500	1.708	4.721	2.721	6.547
			703 801	20.00	.750	5.773	5.231	4.219	6.547
701	801 801	10		46.00	1.125	1.048	1.354		
			801 802	16.00	.500	5.619	5.012	4.519	6.547
			801 804	16.00	.500	1.693	5.274	2.948	6.547
			703 801	20.00	.750	5.839	5.367	4.298	6.547
801	1001 801	7		46.00	1.125	.368	1.203		
			801 802	16.00	.500	2.483	.609	1.404	6.547
			801 804	16.00	.500	5.509	2.980	3.615	6.547
			801 1002	16.00	.750	.067	4.537	1.827	6.547
			801 1004	16.00	.750	9.112	4.228	4.912	6.547
801	1001 801	8		46.00	1.125	.132	1.470		
			801 802	16.00	.500	2.668	1.060	1.589	6.547
			801 804	16.00	.500	4.700	3.738	3.588	6.547
			801 1002	16.00	.750	.134	4.712	1.920	6.547
			801 1004	16.00	.750	8.577	4.274	4.740	6.547
801	1001 801	9		46.00	1.125	.134	1.145		
			801 802	16.00	.500	5.401	5.007	4.423	6.547
			801 804	16.00	.500	1.708	4.721	2.721	6.547
			801 1002	16.00	.750	4.815	3.501	3.099	6.547
			801 1004	16.00	.750	5.538	3.463	3.340	6.547
801	1001 801	10		46.00	1.125	.095	1.220		
			801 802	16.00	.500	5.619	5.012	4.519	6.547
			801 804	16.00	.500	1.693	5.274	2.948	6.547
			801 1002	16.00	.750	4.964	3.460	3.135	6.547
			801 1004	16.00	.750	5.387	3.508	3.304	6.547

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLM STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703 803	803	7		46.00	1.125	3.993	.564		
			802 803	16.00	.500	2.420	2.151	1.943	6.547
			803 805	16.00	.500	7.092	4.150	4.786	6.547
			706 803	20.00	.750	10.759	4.453	5.722	6.547
703 803	803	8		46.00	1.125	3.531	.676		
			802 803	16.00	.500	2.606	2.362	2.111	6.547
			803 805	16.00	.500	7.227	4.799	5.118	6.547
			706 803	20.00	.750	10.162	3.577	5.150	6.547
703 803	803	9		46.00	1.125	5.443	.438		
			802 803	16.00	.500	5.758	1.583	3.133	6.547
			803 805	16.00	.500	6.138	2.943	3.869	6.547
			706 803	20.00	.750	11.624	3.591	5.689	6.547
703 803	803	10		46.00	1.125	5.217	1.202		
			802 803	16.00	.500	5.986	2.620	3.668	6.547
			803 805	16.00	.500	6.941	3.967	4.648	6.547
			706 803	20.00	.750	11.545	2.568	5.246	6.547
803 1003	803	7		46.00	1.125	.359	.463		
			802 803	16.00	.500	2.420	2.151	1.943	6.547
			803 805	16.00	.500	7.092	4.150	4.786	6.547
			803 1002	16.00	.750	.015	3.983	1.588	6.547
			803 1005	16.00	.750	9.090	3.600	4.654	6.547
803 1003	803	8		46.00	1.125	.114	.584		
			802 803	16.00	.500	2.606	2.362	2.111	6.547
			803 805	16.00	.500	7.227	4.799	5.118	6.547
			803 1002	16.00	.750	.143	4.041	1.657	6.547
			803 1005	16.00	.750	8.443	3.577	4.415	6.547
803 1003	803	9		46.00	1.125	.529	.117		
			802 803	16.00	.500	5.758	1.583	3.133	6.547
			803 805	16.00	.500	6.138	2.943	3.869	6.547
			803 1002	16.00	.750	4.853	4.662	3.653	6.547
			803 1005	16.00	.750	10.172	3.849	5.137	6.547
803 1003	803	10		46.00	1.125	.301	.649		
			802 803	16.00	.500	5.986	2.620	3.668	6.547
			803 805	16.00	.500	6.941	3.967	4.644	6.547
			803 1002	16.00	.750	4.938	4.976	3.728	6.547
			803 1005	16.00	.750	10.081	3.622	5.094	6.547

7.18

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706 806	806	7		46.00	1.125	5.716	1.477		
			804 806	16.00	.500	4.796	4.396	3.907	6.547
			805 806	16.00	.500	7.743	3.502	4.792	6.547
			701 806	20.00	.750	10.568	4.948	5.852	6.547
706 806	806	8		46.00	1.125	5.623	.661		
			804 806	16.00	.500	3.988	3.200	3.056	6.547
			805 806	16.00	.500	7.882	2.068	4.247	6.547
			701 806	20.00	.750	10.055	5.160	5.751	6.547
706 806	806	9		46.00	1.125	4.446	1.608		
			804 806	16.00	.500	1.255	3.923	2.191	6.547
			805 806	16.00	.500	6.902	3.968	4.628	6.547
			701 806	20.00	.750	6.483	8.263	5.704	6.547
706 806	806	10		46.00	1.125	4.567	.983		
			804 806	16.00	.500	1.245	3.228	1.894	6.547
			805 806	16.00	.500	7.707	2.808	4.484	6.547
			701 806	20.00	.750	6.131	8.467	5.658	6.547
806 1006	806	7		46.00	1.125	.387	1.093		
			804 806	16.00	.500	4.796	4.396	3.907	6.547
			805 806	16.00	.500	7.743	3.502	4.792	6.547
			806 1004	16.00	.750	9.098	4.425	4.984	6.547
			806 1005	16.00	.750	9.043	4.688	5.070	6.547
806 1006	806	8		46.00	1.125	.588	.646		
			804 806	16.00	.500	3.988	3.200	3.056	6.547
			805 806	16.00	.500	7.882	2.068	4.247	6.547
			806 1004	16.00	.750	8.633	4.098	4.690	6.547
			806 1005	16.00	.750	8.469	4.390	4.748	6.547
806 1006	806	9		46.00	1.125	.320	1.522		
			804 806	16.00	.500	1.255	3.923	2.191	6.547
			805 806	16.00	.500	6.902	3.968	4.628	6.547
			806 1004	16.00	.750	5.531	5.161	4.012	6.547
			806 1005	16.00	.750	10.112	4.510	5.378	6.547
806 1006	806	10		46.00	1.125	.545	1.035		
			804 806	16.00	.500	1.245	3.228	1.894	6.547
			805 806	16.00	.500	7.707	2.808	4.484	6.547
			806 1004	16.00	.750	5.443	5.093	3.954	6.547
			806 1005	16.00	.750	10.108	4.528	5.384	6.547

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	1001 1001	7		46.00	1.125	.265	.192		
			1001 1002	18.00	.500	5.185	2.099	3.105	6.547
			1001 1004	18.00	.500	4.989	4.159	3.889	6.547
801	1001 1001	8		46.00	1.125	.235	.170		
			1001 1002	18.00	.500	4.638	1.631	2.673	6.547
			1001 1004	18.00	.500	4.191	3.799	3.396	6.547
801	1001 1001	9		46.00	1.125	.030	.116		
			1001 1002	18.00	.500	.813	6.310	3.008	6.547
			1001 1004	18.00	.500	.434	6.309	2.845	6.547
801	1001 1001	10		46.00	1.125	.009	.115		
			1001 1002	18.00	.500	.284	6.443	2.837	6.547
			1001 1004	18.00	.500	.055	6.395	2.719	6.547
803	1003 1003	7		46.00	1.125	.256	.217		
			1002 1003	18.00	.500	5.120	1.718	2.917	6.547
			1003 1005	18.00	.500	4.726	4.115	3.758	6.547
803	1003 1003	8		46.00	1.125	.218	.191		
			1002 1003	18.00	.500	4.423	1.991	2.733	6.547
			1003 1005	18.00	.500	3.762	4.151	3.361	6.547
803	1003 1003	9		46.00	1.125	.426	.318		
			1002 1003	18.00	.500	8.361	3.634	5.112	6.547
			1003 1005	18.00	.500	7.967	4.606	5.353	6.547
803	1003 1003	10		46.00	1.125	.404	.325		
			1002 1003	18.00	.500	7.999	3.953	5.092	6.547
			1003 1005	18.00	.500	7.266	4.905	5.179	6.547
806	1006 1006	7		46.00	1.125	.490	.384		
			1004 1006	18.00	.500	9.149	3.928	5.573	6.547
			1005 1006	18.00	.500	9.347	3.865	5.632	6.547
806	1006 1006	8		46.00	1.125	.484	.334		
			1004 1006	18.00	.500	9.183	3.363	5.350	6.547
			1005 1006	18.00	.500	9.385	3.532	5.423	6.547
806	1006 1006	9		46.00	1.125	.423	.327		
			1004 1006	18.00	.500	8.157	3.821	5.104	6.547
			1005 1006	18.00	.500	7.793	4.822	5.369	6.547

SAPCMK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	1001 1001	7		46.00	1.125	.265	.192		
			1001 1002	18.00	.500	5.185	2.099	3.105	6.547
			1001 1004	18.00	.500	4.989	4.159	3.889	6.547
801	1001 1001	8		46.00	1.125	.235	.170		
			1001 1002	18.00	.500	4.638	1.631	2.673	6.547
			1001 1004	18.00	.500	4.191	3.799	3.396	6.547
801	1001 1001	9		46.00	1.125	.030	.116		
			1001 1002	18.00	.500	.813	6.310	3.008	6.547
			1001 1004	18.00	.500	.434	6.309	2.845	6.547
801	1001 1001	10		46.00	1.125	.009	.115		
			1001 1002	18.00	.500	.284	6.443	2.837	6.547
			1001 1004	18.00	.500	.055	6.595	2.719	6.547
803	1003 1003	7		46.00	1.125	.256	.217		
			1002 1003	18.00	.500	5.120	1.718	2.917	6.547
			1003 1005	18.00	.500	4.726	4.115	3.758	6.547
803	1003 1003	8		46.00	1.125	.218	.191		
			1002 1003	18.00	.500	4.423	1.991	2.733	6.547
			1003 1005	18.00	.500	3.762	4.151	3.361	6.547
803	1003 1003	9		46.00	1.125	.426	.318		
			1002 1003	18.00	.500	8.361	3.634	5.112	6.547
			1003 1005	18.00	.500	7.967	4.606	5.353	6.547
803	1003 1003	10		46.00	1.125	.404	.325		
			1002 1003	18.00	.500	7.999	3.953	5.092	6.547
			1003 1005	18.00	.500	7.266	4.905	5.179	6.547
806	1006 1006	7		46.00	1.125	.490	.384		
			1004 1006	18.00	.500	9.149	3.928	5.573	6.547
			1005 1006	18.00	.500	9.347	3.865	5.632	6.547
806	1006 1006	8		46.00	1.125	.484	.334		
			1004 1006	18.00	.500	9.183	3.363	5.350	6.547
			1005 1006	18.00	.500	9.385	3.532	5.423	6.547
806	1006 1006	9		46.00	1.125	.423	.327		
			1004 1006	18.00	.500	8.157	3.821	5.104	6.547
			1005 1006	18.00	.500	7.793	4.822	5.369	6.547

7.21

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806 1006	1006	10		46.00	1.125	.441	.311		
			1004 1006	18.00	.500	8.467	3.453	5.081	6.547
			1005 1006	18.00	.500	8.418	4.495	5.499	6.547
1001 1002	1002	7		24.00	.875	2.242	.328		
			801 1002	16.00	.500	.089	2.940	1.307	8.850
1001 1002	1002	8		24.00	.875	2.005	.406		
			801 1002	16.00	.500	.201	2.986	1.373	8.850
1001 1002	1002	9		24.00	.875	.352	.693		
			801 1002	16.00	.500	7.115	3.551	4.463	8.850
1001 1002	1002	10		24.00	.875	.123	.686		
			801 1002	16.00	.500	7.318	3.465	4.509	8.850
1002 1003	1002	7		24.00	.875	2.214	.219		
			803 1002	16.00	.500	.031	3.673	1.600	8.850
1002 1003	1002	8		24.00	.875	1.913	.339		
			803 1002	16.00	.500	.207	3.699	1.683	8.850
1002 1003	1002	9		24.00	.875	3.616	.504		
			803 1002	16.00	.500	7.156	3.392	4.411	8.850
1002 1003	1002	10		24.00	.875	3.459	.652		
			803 1002	16.00	.500	7.295	3.468	4.501	8.850
1001 1004	1004	7		24.00	.875	2.157	.892		
			801 1004	16.00	.500	13.440	3.595	7.085	8.850
1001 1004	1004	8		24.00	.875	1.813	.976		
			801 1004	16.00	.500	12.668	3.686	6.807	8.850
1001 1004	1004	9		24.00	.875	.187	.703		
			801 1004	16.00	.500	8.167	3.618	4.925	8.850
1001 1004	1004	10		24.00	.875	.023	.744		
			801 1004	16.00	.500	7.959	3.681	4.867	8.850
1004 1006	1004	7		24.00	.875	3.957	.848		
			806 1004	16.00	.500	13.437	4.128	7.315	8.850

7.22

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

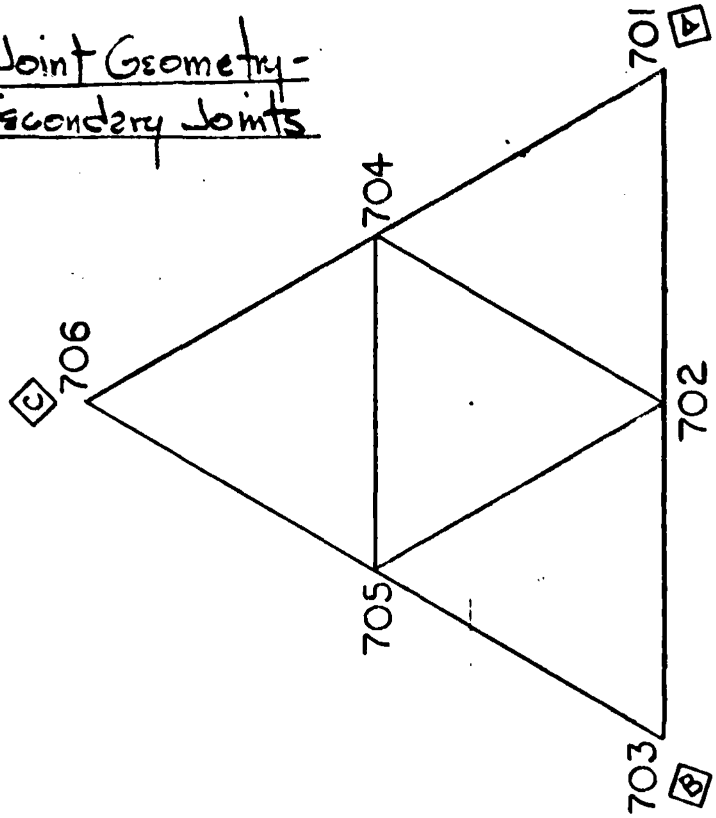
PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1004	1006 1004	8		24.00	.875	3.971	.631		
			806 1004	16.00	.500	12.732	3.580	6.787	8.850
1004	1006 1004	9		24.00	.875	3.528	.548		
			806 1004	16.00	.500	8.172	3.367	4.818	8.850
1004	1006 1004	10		24.00	.875	3.662	.382		
			806 1004	16.00	.500	8.028	3.215	4.694	8.850
1003	1005 1005	7		24.00	.875	2.043	.711		
			803 1005	16.00	.500	13.407	4.302	7.377	8.850
1003	1005 1005	8		24.00	.875	1.627	.804		
			803 1005	16.00	.500	12.470	4.381	7.026	8.850
1003	1005 1005	9		24.00	.875	3.445	.758		
			803 1005	16.00	.500	15.004	4.420	8.086	8.850
1003	1005 1005	10		24.00	.875	3.142	.926		
			803 1005	16.00	.500	14.885	4.414	8.034	8.850
1005	1006 1005	7		24.00	.875	4.043	1.066		
			806 1005	16.00	.500	13.356	3.475	6.999	8.850
1005	1006 1005	8		24.00	.875	4.058	.633		
			806 1005	16.00	.500	12.489	2.977	6.427	8.850
1005	1006 1005	9		24.00	.875	3.370	1.179		
			806 1005	16.00	.500	14.932	3.504	7.661	8.850
1005	1006 1005	10		24.00	.875	3.640	.994		
			806 1005	16.00	.500	14.908	3.436	7.621	8.850

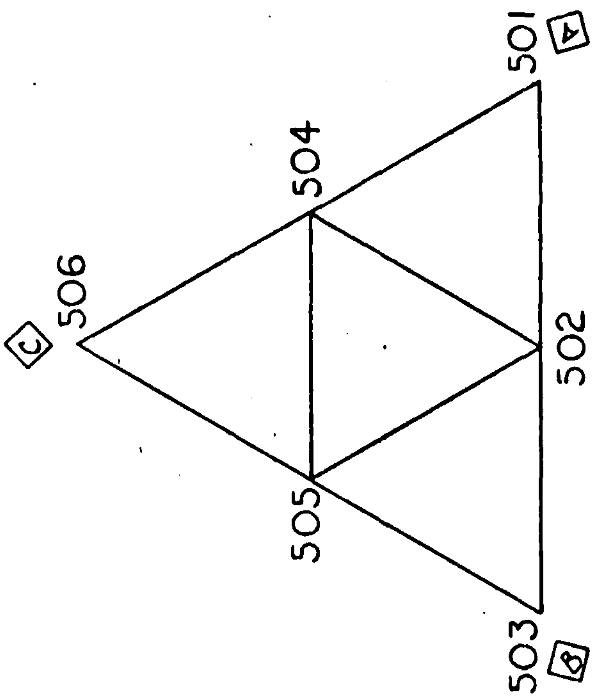
END OF JOINT CHECK

END OF RUN - SAPCHK

7.4 Joint Geometry - Secondary Joints



PLAN AT ELEV. (-) 13'-0"



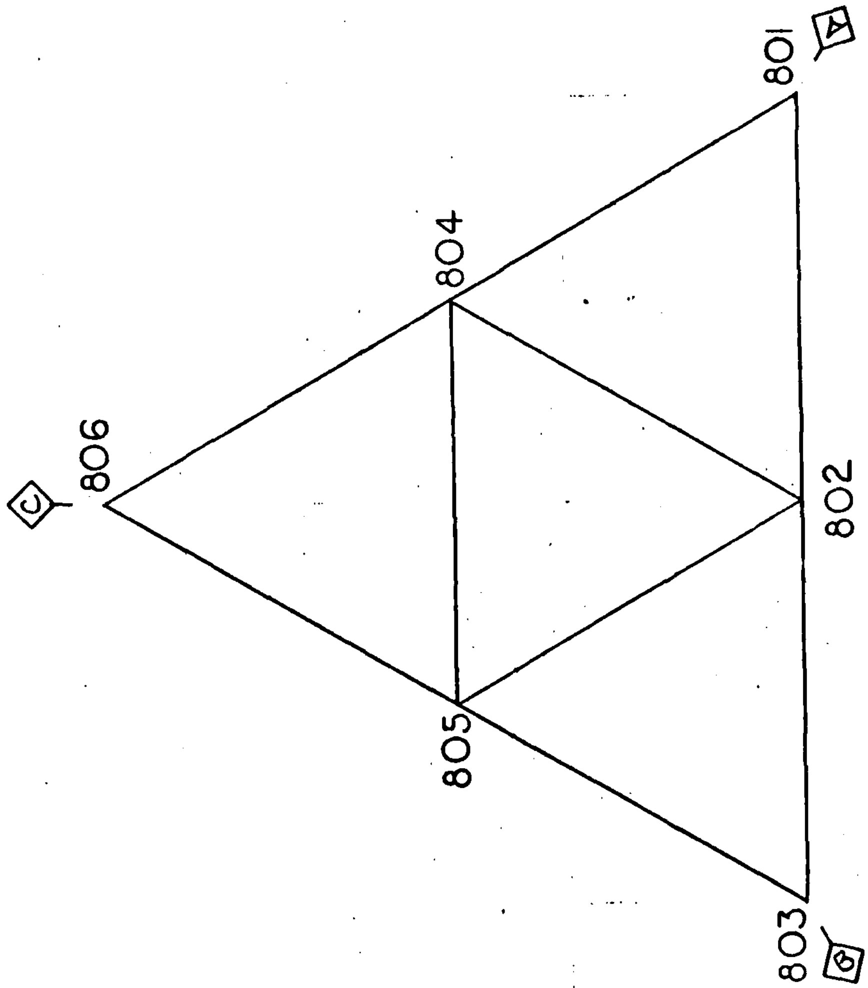
PLAN AT ELEV. (+) 12'-0"

JOINT GEOMETRY – SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet 7.25 of ____

By L.KIBK Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 7-28-76 Job No. 27-771-94 Calculation TUBULAR JOINT ANALYSIS



PLAN AT ELEV. (-)471-0"

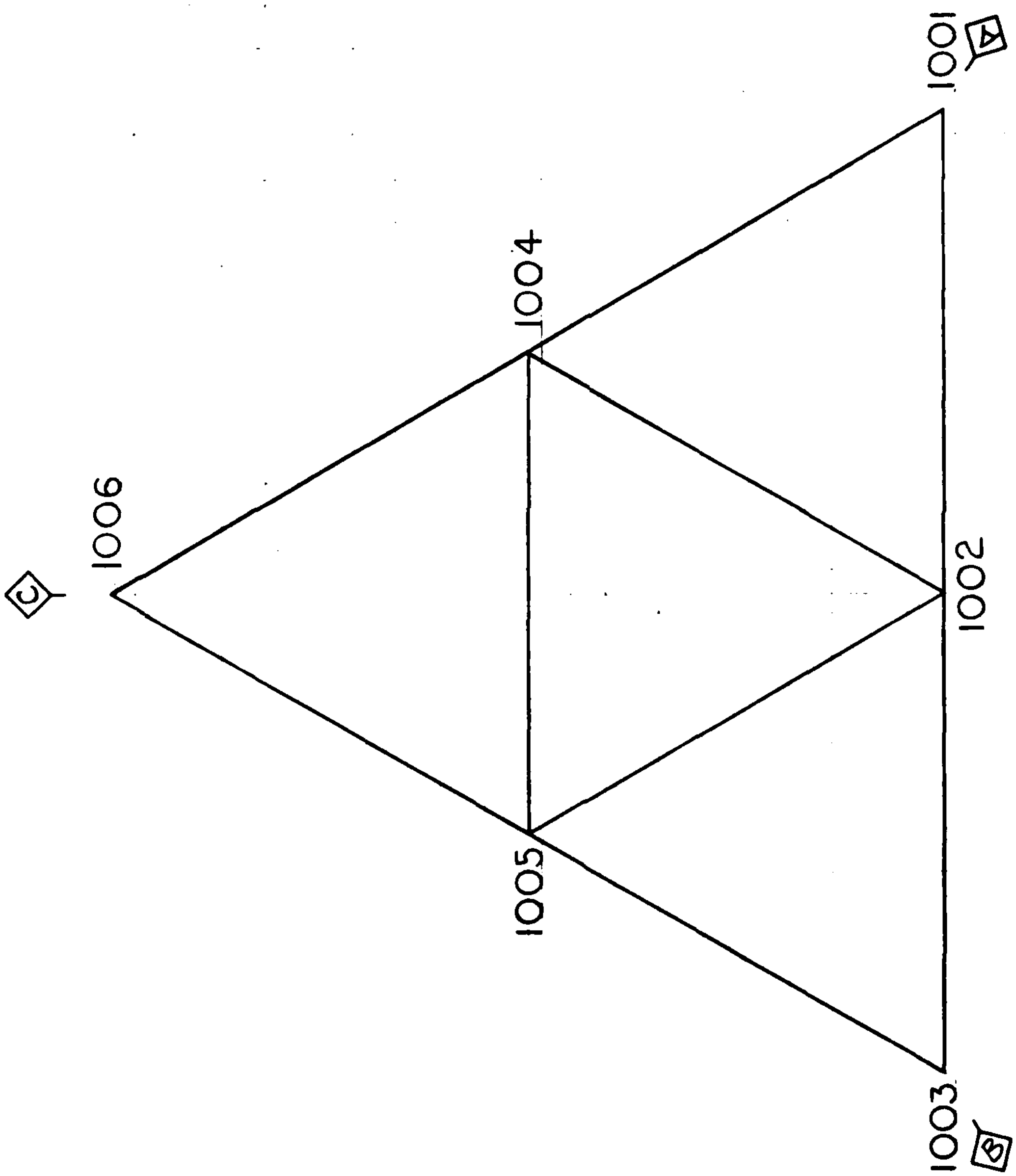
JOINT GEOMETRY - SECONDARY JOINTS

CREST OFFSHORE, INC.

Sheet 7.26 of ____

By L. KIRK Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE

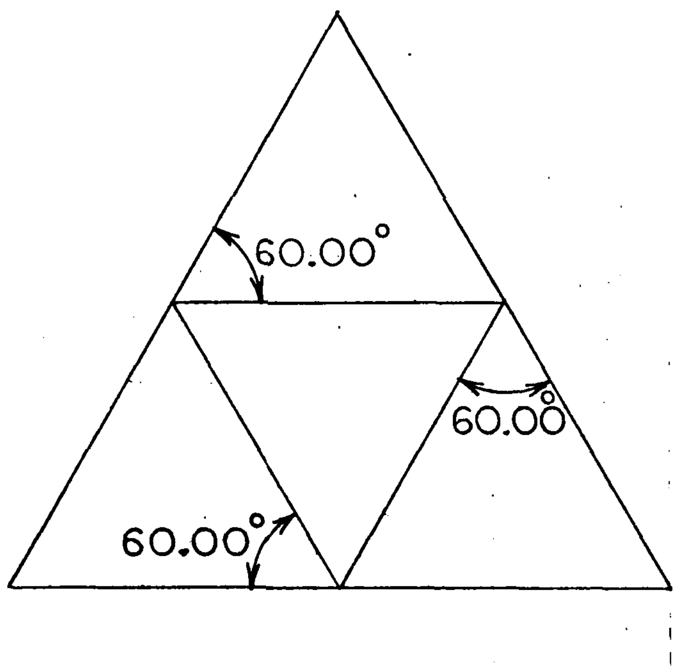
Date 8-18-76 Job No. 27-771-94 Calculation TUBULAR JOINT ANALYSIS



PLAN AT ELEV. (-) 81'-0"

JOINT GEOMETRY — SECONDARY JOINTS

JOINT GEOMETRY – SECONDARY JOINTS



TYPICAL PLAN

7.5 PUNCHING SHEAR ANALYSIS – SECONDARY JOINTS

CRA - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSO SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

.NAVY BIFT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	16.000	.625	2	-0.00	36
502	504	10.750	.355	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	16.000	.625	2	-0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
501	504	16.000	.625	2	-0.00	36
502	504	10.750	.355	2	60.00	36
504	505	10.750	.355	1	60.00	36
701	702	12.750	.375	2	-0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
701	704	12.750	.375	2	-0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	-0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
601	602	16.000	.500	2	-0.00	36
602	604	10.750	.355	1	60.00	36
602	605	10.750	.365	1	60.00	36
603	605	16.000	.500	2	-0.00	36
602	605	10.750	.365	2	60.00	36
604	605	10.750	.365	2	60.00	36
601	604	16.000	.500	2	-0.00	36
602	604	10.750	.365	2	60.00	36
604	605	10.750	.365	1	60.00	36
1001	1002	24.000	.875	2	-0.00	36
1002	1004	10.750	.365	1	60.00	36
1002	1003	24.000	.875	1	-0.00	36
1002	1005	10.750	.365	1	60.00	36
1001	1004	24.000	.875	2	-0.00	36
1002	1004	10.750	.365	2	60.00	36
1004	1006	24.000	.875	1	-0.00	36
1004	1005	10.750	.365	1	60.00	36
1003	1005	24.000	.875	2	-0.00	36
1002	1005	10.750	.365	2	60.00	36
1005	1006	24.000	.875	1	-0.00	36
1004	1005	10.750	.365	2	60.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190824E+01	2.990404E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
7	1.330
8	1.330
9	1.330

7.29

SAPCHA - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY HIFT NEW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502 502	7		16.00	.625	4.852	5.243		
			502 504	10.75	.365	.710	4.265	2.402	9.326
			502 505	10.75	.365	1.603	4.096	3.120	9.326
501	502 502	8		16.00	.625	6.260	5.422		
			502 504	10.75	.365	.734	4.546	2.550	9.326
			502 505	10.75	.365	1.560	4.928	3.116	9.326
501	502 502	9		16.00	.625	1.705	4.200		
			502 504	10.75	.365	.308	4.517	2.279	9.326
			502 505	10.75	.365	2.108	6.560	4.162	9.326
501	502 502	10		16.00	.625	1.501	4.047		
			502 504	10.75	.365	.503	4.367	2.481	9.326
			502 505	10.75	.365	2.190	6.664	4.357	9.326
503	505 505	7		16.00	.625	5.081	1.756		
			502 505	10.75	.365	1.607	4.164	2.775	9.326
			504 505	10.75	.365	2.261	6.124	4.029	9.326
503	505 505	8		16.00	.625	5.265	1.811		
			502 505	10.75	.365	1.560	4.126	2.725	9.326
			504 505	10.75	.365	2.271	6.042	3.965	9.326
503	505 505	9		16.00	.625	6.530	1.621		
			502 505	10.75	.365	2.106	2.075	2.279	9.326
			504 505	10.75	.365	1.625	3.355	2.467	9.326
503	505 505	10		16.00	.625	6.939	1.946		
			502 505	10.75	.365	2.191	[illegible]	2.117	9.326
			504 505	10.75	.365	1.568	3.448	2.397	9.326
501	504 504	7		16.00	.625	11.454	5.293		
			502 504	10.75	.365	.715	3.023	2.092	8.659
			504 505	10.75	.365	2.281	3.096	2.847	8.659
501	504 504	8		16.00	.625	10.665	5.126		
			502 504	10.75	.365	.734	3.261	1.895	8.814
			504 505	10.75	.365	2.271	3.119	2.592	8.814

CHAR - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSING SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY HIFI MLA STRUCTURE 27-7/1-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	AXIAL STRESS	BENDING STRESS	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	504	504	9			16.00	.625	9.830	5.550		
				502	504	10.75	.365	.389	3.227	1.749	8.913
				504	505	10.75	.365	1.625	4.461	2.918	8.913
501	504	504	10			16.00	.625	8.899	5.486		
				502	504	10.75	.365	.563	2.950	1.694	9.042
				504	505	10.75	.365	1.564	4.067	2.698	9.042
701	702	702	7			12.75	.375	2.801	5.005		
				702	704	10.75	.365	.687	3.099	3.040	8.880
				702	705	10.75	.365	.640	2.713	2.691	8.880
701	702	702	8			12.75	.375	3.537	5.739		
				702	704	10.75	.365	.690	3.086	3.052	8.880
				702	705	10.75	.365	.642	2.695	2.678	8.880
701	702	702	9			12.75	.375	3.611	6.970		
				702	704	10.75	.365	.043	.223	.214	8.880
				702	705	10.75	.365	1.137	4.713	4.694	8.880
701	702	702	10			12.75	.375	3.832	6.887		
				702	704	10.75	.365	.005	.370	.304	8.880
				702	705	10.75	.365	1.142	4.765	4.740	8.880
701	704	704	7			12.75	.375	.522	4.786		
				702	704	10.75	.365	.688	1.707	1.912	8.880
				704	705	10.75	.365	1.316	4.641	4.772	8.880
701	704	704	8			12.75	.375	1.222	4.878		
				702	704	10.75	.365	.691	1.715	1.921	8.880
				704	705	10.75	.365	1.320	4.642	4.777	8.880
701	704	704	9			12.75	.375	3.009	6.589		
				702	704	10.75	.365	.043	.569	.495	8.880
				704	705	10.75	.365	1.161	4.968	4.919	8.880
701	704	704	10			12.75	.375	2.530	6.810		
				702	704	10.75	.365	.005	.422	.346	8.880
				704	705	10.75	.365	1.161	5.128	5.049	8.880
703	705	705	7			12.75	.375	.488	5.536		
				702	705	10.75	.365	.640	1.977	2.094	8.880
				704	705	10.75	.365	1.316	4.795	4.898	8.880

SAPCHK - CHEST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY RIFT MLW STRUCTURE 27-771-01   PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703	705	705	8			12.75	.375	.842	5.508		
				702	705	10.75	.365	.643	2.035	2.144	8.880
				704	705	10.75	.365	1.320	4.840	4.937	8.880
703	705	705	9			12.75	.375	.532	2.721		
				702	705	10.75	.365	1.134	3.527	3.730	8.880
				704	705	10.75	.365	1.161	3.358	3.613	8.880
703	705	705	10			12.75	.375	1.757	2.747		
				702	705	10.75	.365	1.143	3.410	3.642	8.880
				704	705	10.75	.365	1.161	3.405	3.651	8.880
801	802	802	7			16.00	.500	2.483	4.103		
				802	804	10.75	.365	.813	3.171	2.396	7.914
				802	805	10.75	.365	.571	2.186	1.658	7.914
801	802	802	8			16.00	.500	2.668	4.227		
				802	804	10.75	.365	.821	3.261	2.456	7.914
				802	805	10.75	.365	.590	2.223	1.691	7.914
801	802	802	9			16.00	.500	5.401	5.171		
				802	804	10.75	.365	.122	1.360	.898	7.914
				802	805	10.75	.365	1.125	4.903	3.630	7.914
801	802	802	10			16.00	.500	5.619	5.261		
				802	804	10.75	.365	.102	1.590	1.026	7.914
				802	805	10.75	.365	1.150	4.933	3.661	7.914
803	805	805	7			16.00	.500	7.094	4.472		
				802	805	10.75	.365	.574	2.874	2.078	7.914
				804	805	10.75	.365	1.387	4.626	3.611	7.914
803	805	805	8			16.00	.500	7.227	4.424		
				802	805	10.75	.365	.590	2.932	2.123	7.914
				804	805	10.75	.365	1.380	4.707	3.656	7.914
803	805	805	9			16.00	.500	6.138	2.252		
				802	805	10.75	.365	1.134	3.644	2.868	7.914
				804	805	10.75	.365	1.252	3.054	2.577	7.914
803	805	805	10			16.00	.500	6.941	2.207		
				802	805	10.75	.365	1.149	3.587	2.842	7.914
				804	805	10.75	.365	1.250	3.019	2.555	7.914

7.32

PMB - CHEST OFFSHORE, INC.   STRUCTURAL POSTPROCESS SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY 8IFI MLH STRUCTURE 27-7/1-01   PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S- -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	804 804	7		16.00	.500	5.507	2.430		
			802 804	10.75	.365	.815	2.792	2.167	7.914
			804 805	10.75	.365	1.307	5.586	4.196	7.914
801	804 804	8		16.00	.500	4.699	2.420		
			802 804	10.75	.365	.823	2.093	2.111	7.914
			804 805	10.75	.365	1.380	5.471	4.121	7.914
801	804 804	9		16.00	.500	1.707	4.375		
			802 804	10.75	.365	.122	1.676	1.211	7.914
			804 805	10.75	.365	1.252	5.929	4.326	7.914
801	804 804	10		16.00	.500	1.692	4.446		
			802 804	10.75	.365	.102	1.612	1.161	7.914
			804 805	10.75	.365	1.250	5.952	4.339	7.914
1001	1002 1002	7		24.00	.675	2.242	.328		
			1002 1004	10.75	.365	.547	5.277	2.014	8.733
1001	1002 1002	8		24.00	.675	2.005	.406		
			1002 1004	10.75	.365	.605	5.226	2.016	8.733
1001	1002 1002	9		24.00	.675	.352	.693		
			1002 1004	10.75	.365	.035	5.833	2.039	8.733
1001	1002 1002	10		24.00	.675	.123	.686		
			1002 1004	10.75	.365	.035	5.866	2.051	8.733
1002	1003 1002	7		24.00	.675	2.214	.219		
			1002 1005	10.75	.365	.517	4.851	1.856	8.733
1002	1003 1002	8		24.00	.675	1.913	.339		
			1002 1005	10.75	.365	.570	4.867	1.879	8.733
1002	1003 1002	9		24.00	.675	3.616	.504		
			1002 1005	10.75	.365	.956	3.545	1.546	8.733
1002	1003 1002	10		24.00	.675	3.459	.652		
			1002 1005	10.75	.365	.983	3.532	1.550	8.733
1001	1004 1004	7		24.00	.675	2.157	.892		
			1002 1004	10.75	.365	.535	4.391	1.702	8.733

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PUNCHING SHEAR CHECK FOR - ,NAVY BIFT MLW STRUCTURE 27-771-01   PUNCHING SHEAR CHECK FOR BTRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S- -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001 1004	1004	8		24.00	.875	1.813	.976		
			1002 1004	10.75	.365	.594	4.212	1.659	8.733
1001 1004	1004	9		24.00	.875	.167	.705		
			1002 1004	10.75	.365	.035	5.688	1.989	8.733
1001 1004	1004	10		24.00	.875	.023	.744		
			1002 1004	10.75	.365	.035	5.674	1.984	8.733
1004 1006	1004	7		24.00	.875	3.957	.848		
			1004 1005	10.75	.365	1.119	1.433	.865	8.733
1004 1006	1004	8		24.00	.875	3.971	.631		
			1004 1005	10.75	.365	1.090	1.126	.749	8.733
1004 1006	1004	9		24.00	.875	3.528	.548		
			1004 1005	10.75	.365	.991	4.114	1.756	8.733
1004 1006	1004	10		24.00	.875	3.662	.382		
			1004 1005	10.75	.365	.974	4.023	1.719	8.733
1003 1005	1005	7		24.00	.875	2.043	.711		
			1002 1005	10.75	.365	.506	4.308	1.663	8.733
1003 1005	1005	8		24.00	.875	1.627	.604		
			1002 1005	10.75	.365	.558	4.251	1.661	8.733
1003 1005	1005	9		24.00	.875	3.445	.758		
			1002 1005	10.75	.365	.964	1.695	.975	8.733
1003 1005	1005	10		24.00	.875	3.142	.926		
			1002 1005	10.75	.365	.990	1.614	.956	8.733
1005 1006	1005	7		24.00	.875	4.043	1.066		
			1004 1005	10.75	.365	1.119	.690	.677	8.733
1005 1006	1005	8		24.00	.875	4.058	.833		
			1004 1005	10.75	.365	1.090	.809	.639	8.733
1005 1006	1005	9		24.00	.875	3.370	1.179		
			1004 1005	10.75	.365	.991	2.071	1.045	8.733

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PCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT HLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1005	1006	1005	10	24.00	.875	3.640	.994		
		1004	1005	10.75	.365	.974	2.183	1.079	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

7.35

SECTION 8.0

PILE-JACKET CONNECTION

8.1 INTRODUCTION

This section ascertains the capability of the pile-jacket connection at the top of the jacket of transferring both the axial load and the bending moment of the jacket to the pile. The following assumptions are made in this analysis:

1. The axial load is distributed to all six shims.

2. The resultant bending moment is taken out as a couple by two shims on each side of the 42 inch diameter pile.

3. The torsional moment is negligible.

4. The fillet weld area perpendicular to the applied load is more susceptible to fatigue crack than the fillet weld parallel to the load, and, therefore, is ignored in this analysis.

5. An E-70 electrode is used for welding with τ = 15.8 ksi or f = 11.2ω kips/inch.

Reference Drawings:

3016270 Jacket - Pile Shims and Leg Connection

By L. Kick Client U.S. Navy Subject DESIGN OF 81' MLW STRUCTURE

Date 8-2-76 Job No. 27-771-94 Calculation PILE-JACKET CONNECTION

8.2 Jacket Loads at Connection

50 yr. Storm

Jacket Member	Load Condition	P (Kips)	M_Y (In.-Kips)	M_Z (In.-Kips)	M_R (In.-Kips)	$M_R/42"\cdot 2$ (Kips)	P/6 (Kips)	Total Load (Kips)
401-501								
	7	-951.81	5657.83	18277.52	19133.19	227.78	158.64	386.41
	8	950.61	-5939.32	-16848.43	17863.97	212.67	158.44	371.10
	9	-109.97	2600.26	23473.93	23617.51	281.16	18.33	299.49
	10	92.73	-2599.35	-23039.54	23185.71	276.02	15.46	291.48
403-503								
	7	-988.12	6228.67	-18440.18	19463.72	231.71	164.69	396.40
	8	930.23	-6288.59	18313.14	19362.79	230.51	155.04	385.55
	9	-1504.39	5508.00	-9195.26	10718.72	127.60	250.73	378.33
	10	1536.44	-5476.03	9048.32	10576.35	125.91	256.07	381.98
406-506								
	7	1940.63	-12404.46	2447.12	12643.54	150.52	323.44	473.96
	8	-1873.56	11124.01	-1653.90	11246.29	133.88	312.26	446.14
	9	1644.86	-9721.05	1204.22	9808.15	116.76	274.14	390.90
	10	-1640.94	8621.16	-918.09	8669.9	103.21	273.49	376.70

NOTE: TOTAL LOAD IS MAXIMUM LOAD ON ONE SHIM PLATE.

CREST OFFSHORE, INC.

Sheet 8.03 of ____

By MMB Client U.S. NAVY Subject DESIGN OF 21' MLW STRUCTURE
Date 8-5-76 Job No. 27-171-94 Calculation PILE-JACKET CONNECTION

8.3 CHECK JACKET TO SHIM

JOINT CAN TKN'S = 1.75"
EFFECTIVE WELD = 1.75 − 0.125 = 1.625" MAXIMUM
ALLOWABLE LOAD = 11.2 k/in × 1.625 = 18.2 k/in.

REQ'D SLOT LENGTH = $\dfrac{474^k}{18.2 \text{ k/in}}$ = 26.04 in"

SLOT PERIMETER = 2×13.5 = 27 in > 26.04"
∴ o.k.

8.4 CHECK SHIM TO PILE

JACKET JOINT CAN ϕ =	48"	
" " " TKNS =	− 3.5 =	1.75×2
	44.5	
LESS PILE DIAM. =	42.0"	
	2.5"	

ALL. SHIM PL TKNS. = 2.5/2 − 0.25 = 1.0"

MAX. EFFECTIVE WELD = 0.88"

ALLOWABLE LOAD = 11.2 k/in × 0.88" = 9.8 k/in

LENGTH REQ'D = $\dfrac{474^k}{2(9.8 \text{ k/in})}$ = 24.2" < 31.0 in ∴ o.k.

8.5 CHECK SHIM STRENGTH

SHIM WIDTH = $\frac{44.5'' \times \pi}{6} - 3.5 = 19.8''$ SAY 18"

SHIM AREA = $18'' \times 1.00'' = 18$ sq in.

SHIM STRESS = $\frac{474^k}{18 \text{ in}^2} = 26.3$ ksi < 28.7 ksi.

∴ O.K.

8.6 CHECK JACKET LEG

AREA OF JACKET BETWEEN SLOTS

$= 1.75'' \times 20'' = 35 \text{ in}^2$

JACKET STRESS = $\frac{474^k}{35 \text{ in}^2} = 13.54$ ksi < 28.7 ksi ∴ O.K.

SECTION 9.0

PILE ANALYSIS

9.1 INTRODUCTION

This section determines the pile penetration and pile schedules of Structure 1.

First, the actual maximum pile loads are calculated. Then, these loads are used with the Pile Capacity Curves to establish the penetration required. Finally, the Pile Driving Resistance Curves are checked to insure that the piling can be driven to the desired penetration.

The pile schedules are devised to avoid any possible set-up problems while driving and to minimize field welding of the pile add-ons.

In addition, the P-Y curves are included in this section. This is the P-Y curve used in Section 6.0 for the space frame analysis.

The Pile Capacity Curves and the Pile Driving Resistance Curves are from the Foundation Analysis, Report No. 27-771-97.

Reference Drawings:

3016277 Jacket - Pile Details,

CREST OFFSHORE, INC. Sheet 9.02 of ____

By MWS Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 9-6-76 Job No. 27-77L-94 Calculation ____

9.2 PILE SUMMARY

STRUCTURE # 1

PILE AXIAL LOADS

Maximum Compressive Load	2409^k
Maximum Tension Load	1740^k

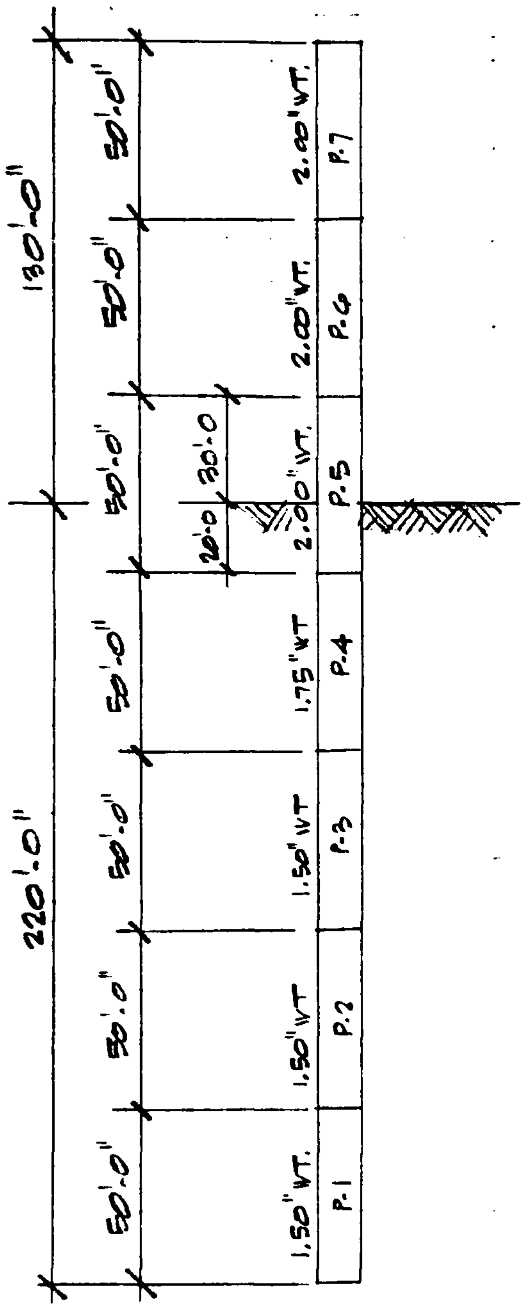
PILING DIMENSIONS

Outside Diameter	42 in.
Penetration Below Mudline (S.F.=1.50)	211 ft.
Penetration Below Mudline (S.F.=1.35)	
Maximum Wall Thickness	2.00 in
Minimum Wall Thickness	1.50 in.

CONCLUSION

The pile schedule with 1.50 min. wall thickness can be driven to the required penetration of 211 ft. to obtain a safety factor of 1.5. No insert pile should be required

9.3 PILE LOADS - STRUCTURE # 1



MLW = 81'-0"

220 FT PENETRATION

1.5" WT. MIN.

WT. OF PILING BELOW MUDLINE

20' of 42"φ x 2.0 = 0.854 k/' x 20' = 17.08 k

50' of " " x 1.75 = 0.7523 x 50 = 37.62

150' of " " x 1.50 = 0.649 x 150 = 97.35

152.05 k

+ splice points = 0.276 x 8' x 6 = 13.25

165.20 k

MAX. COMPRESSIVE FORCE

2244 k + 165 k = 2409 k

MAX. TENSION FORCE

1871 - 165 k + 45 = 1746

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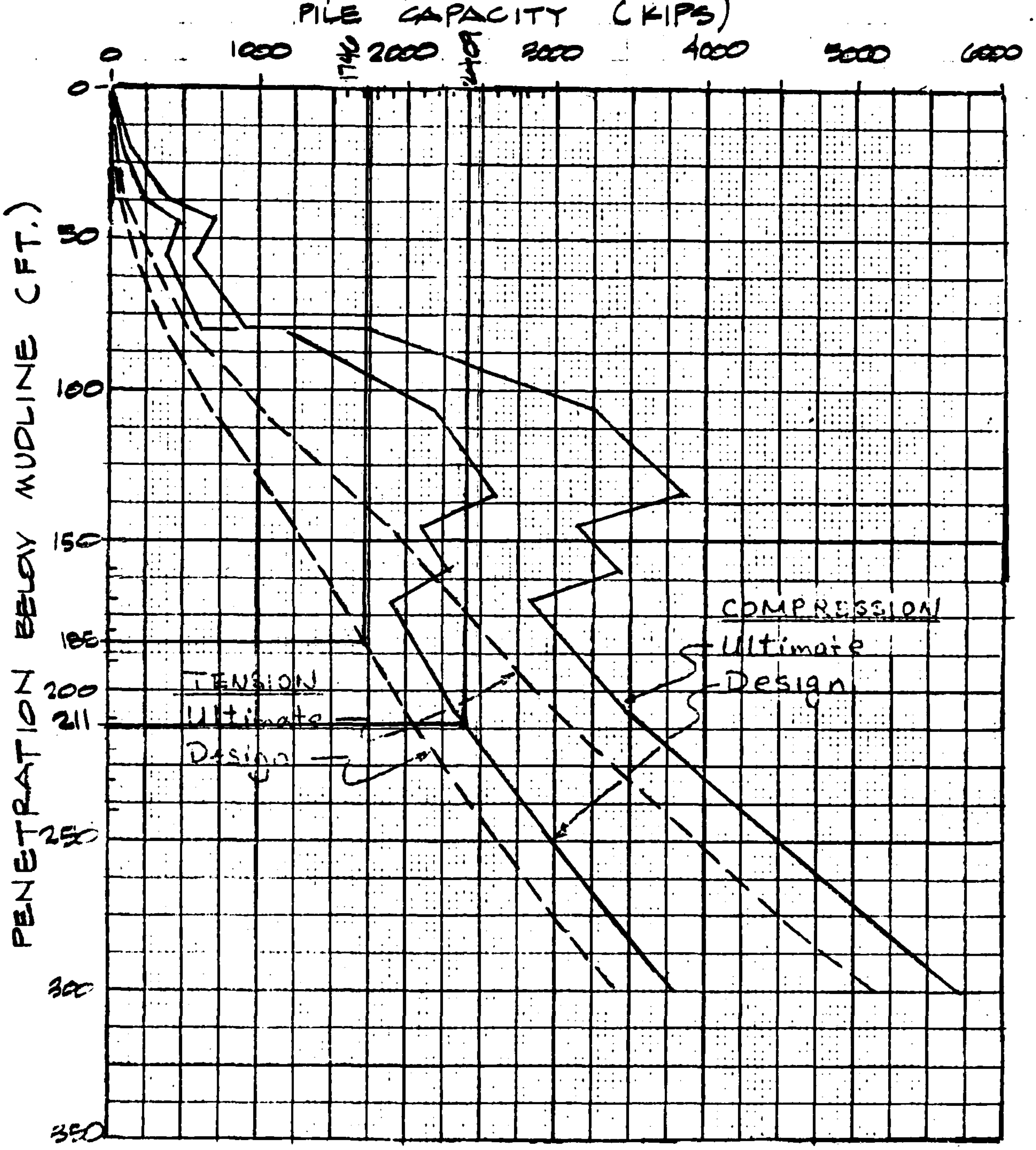
Sheet 9.04 of ____

By KWD Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 8-6-76 Job No. 27-77L-94 Calculation PILE CURVES

9.4 Pile Capacity Curve



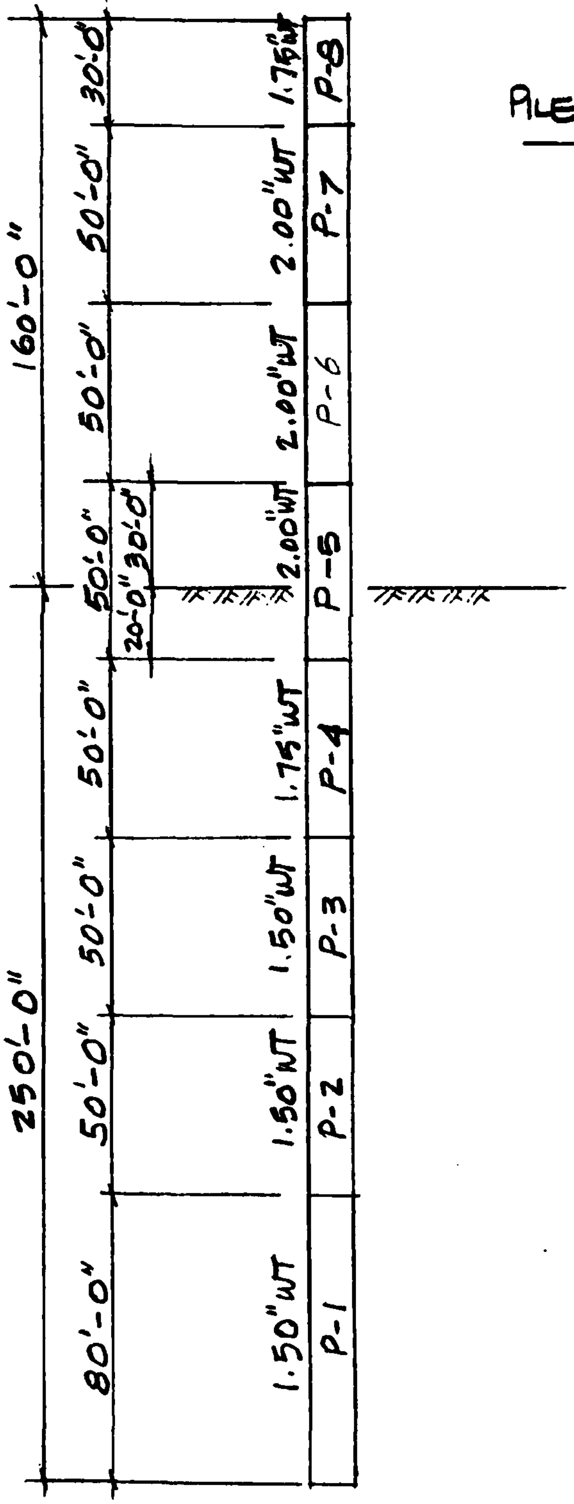
42-INCH DIAMETER PIPE PILES

BORING #1 - 81 FT. MLW LOCATION

9.5 DRIVING RESISTANCE CURVES

MLW = 81'-0"

250 FT Penetration



PILE SCHEDULE USED for DRIVING RESISTANCE

Vulcan 560 Hammer
Wt. of Ram = 60,000 lbs
Rated Energy = 300,000 ft-lbs
Hammer Efficiency = 0.75
Wt. of Pile Cap = 42,000 lbs

Spring Constant = 6.2×10^6 lbs/in.
Damping Factor, side & tip, J = 0.15
Quake Factor, side, Q = 0.10
Quake Factor, tip, - See Above

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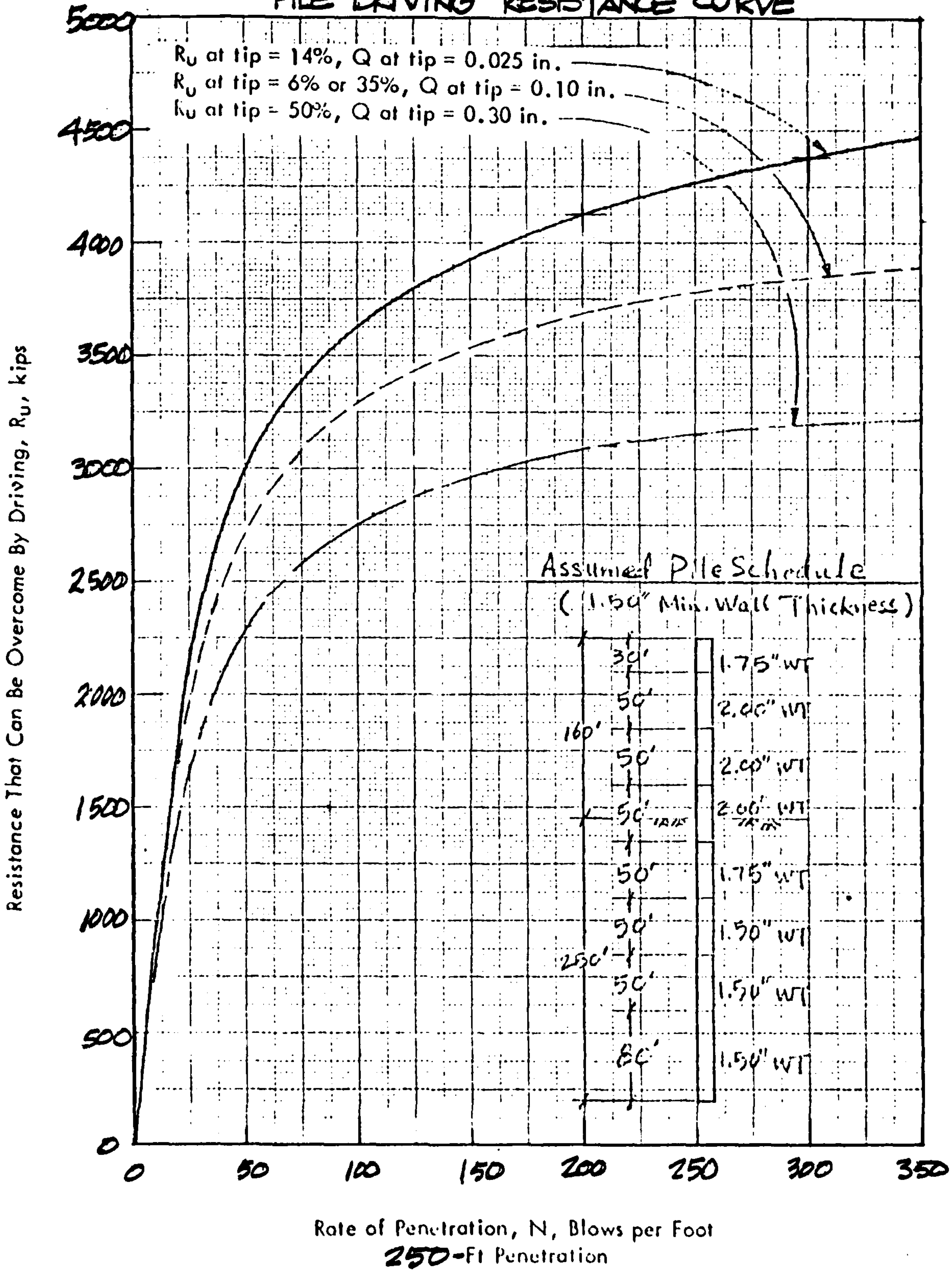
Sheet 9.06 of

By G. Chern Client U.S NAVY Subject Design of 81' MLW Structure
Date 6-28-76 Job No. 27-771-94 Calculation

PILE DRIVING RESISTANCE CURVE



42 in. Diameter Pipe Piles

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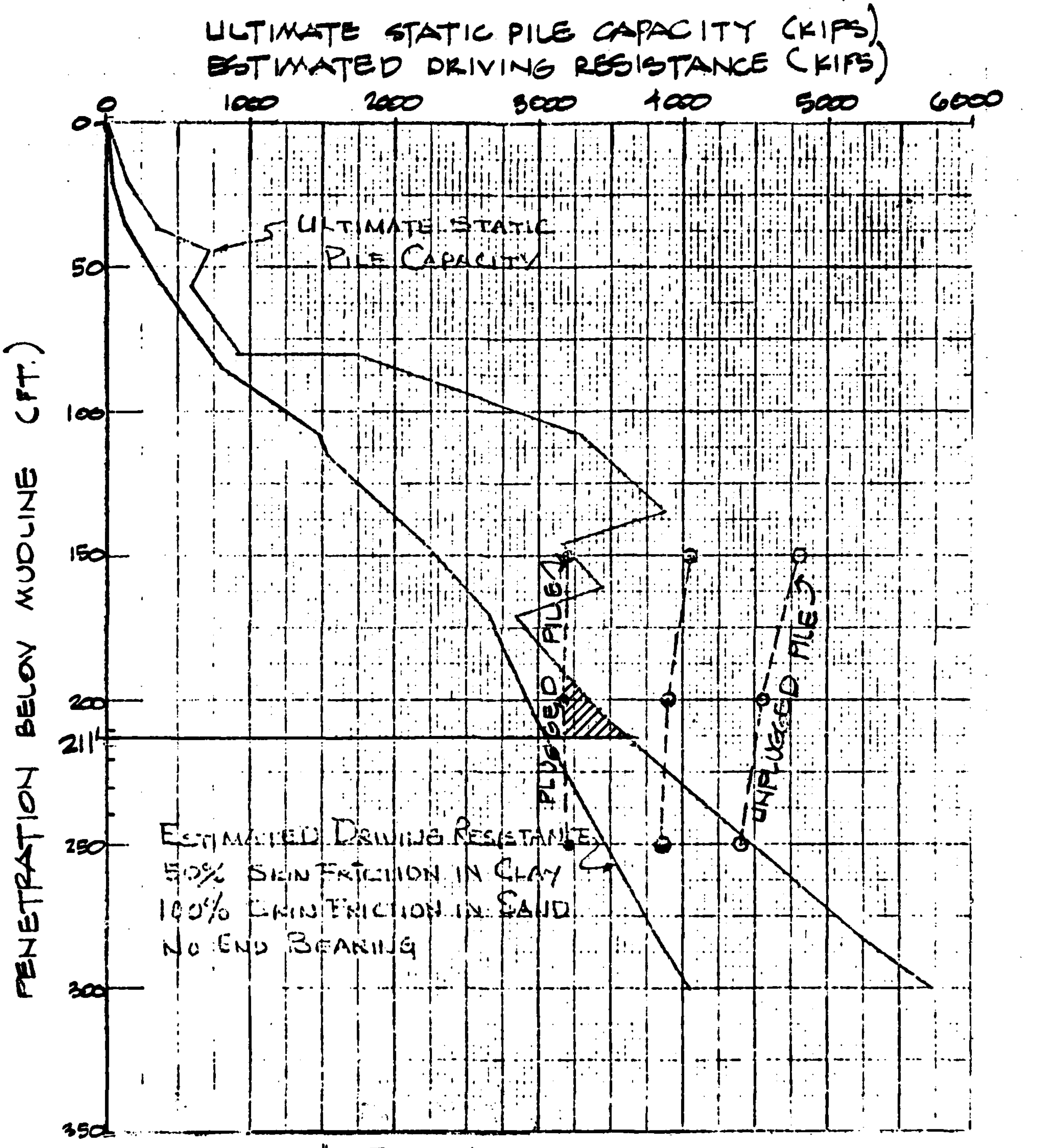
Sheet 9.07 of ____

By JWA Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE

Date 8-6-76 Job No. 22-71-94 Calculation PILE CAPACITY



1.50" WT. MIN. PILE

VULCAN 560 HAMMER

42-INCH DIAMETER PIPE PILES

BORING #1 - 81 FT MLW LOCATION

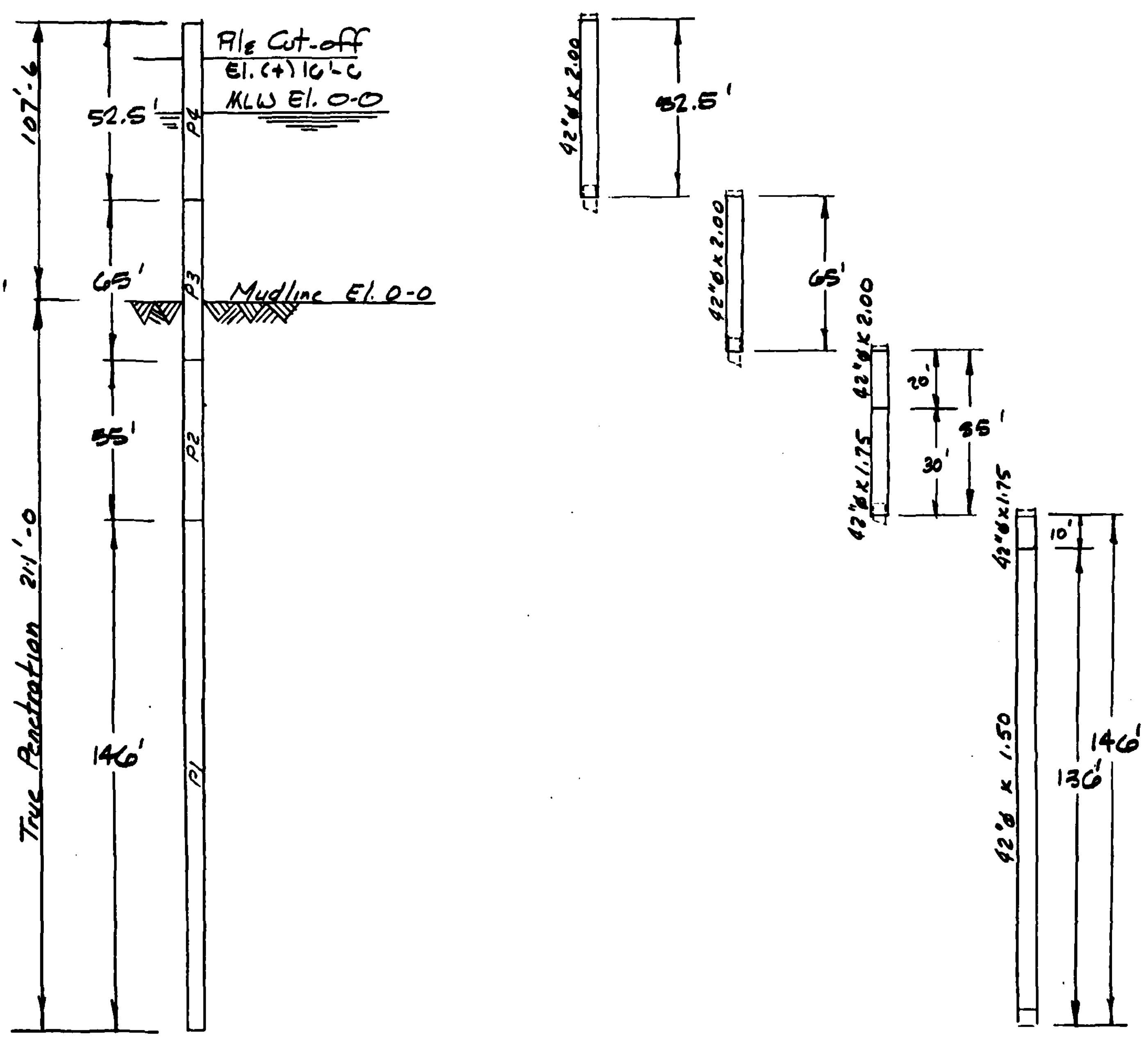
CREST OFFSHORE, INC.

Sheet 9.08 of ____

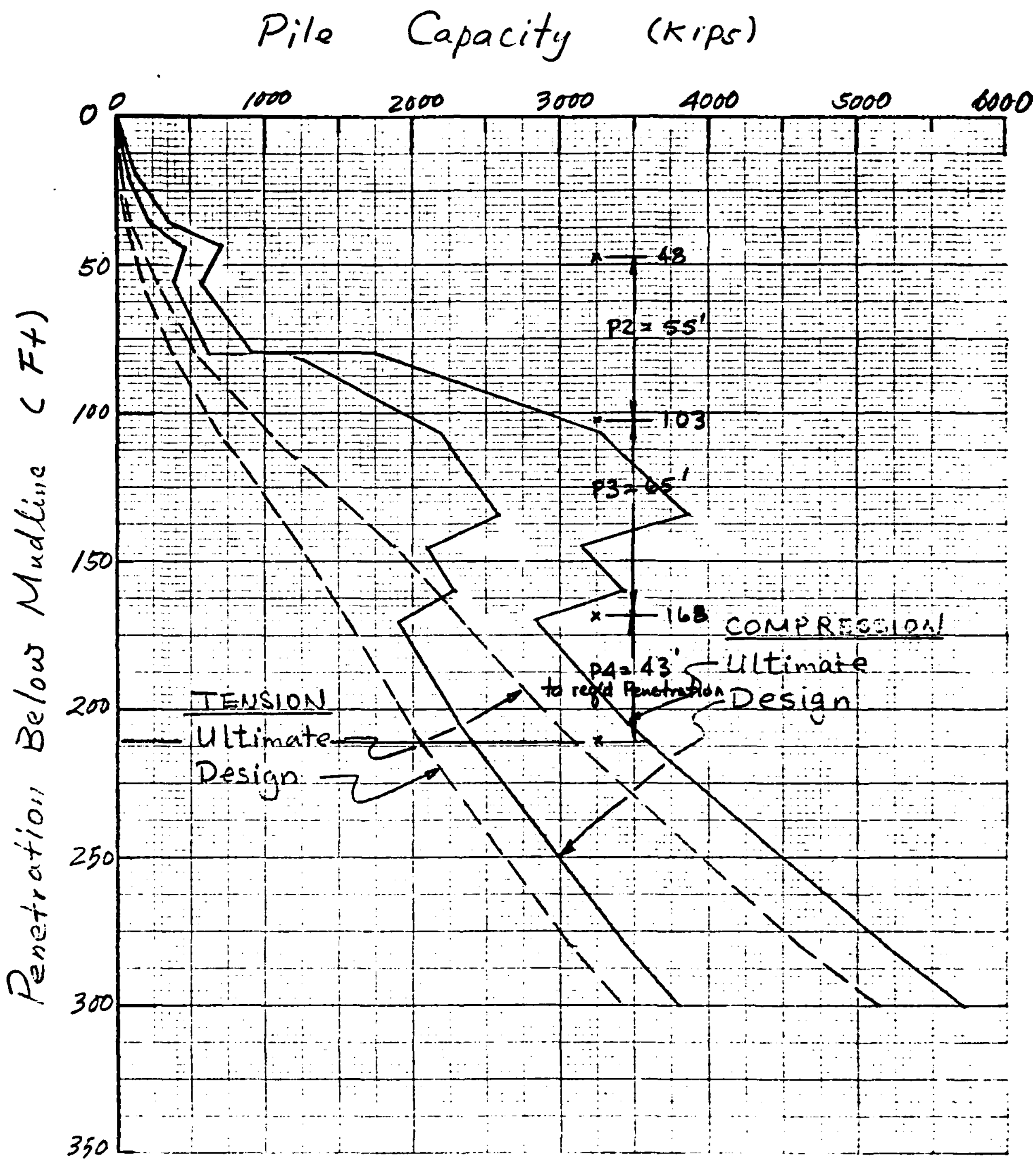
By V. Talbot Client U.S. Navy Subject Design of 81' MLW Structure
Date 8-23-76 Job No. 27-771-94 Calculation Pile Analysis

9.6 PILE SCHEDULE

Site #1



By C. Chern Client U.S. NAVY Subject Structural Concept Analysis (3-pi
Date 4-1-76 Job No. 27-271-92 Calculation Pipe Pile Capacity Curves



42-in. Diameter Pipe Piles

(Boring #1)

CREST OFFSHORE, INC.

Sheet 9.09 of ____

By MA Client U.S. NAVY Subject Design of 81' MLW Structure

Date 9-6-76 Job No. 27-77-94 Calculation

CHECK MAX. LENGTH OF PILE ADD-ON

Weight of Hammer w/ Leads = 230^k

Using an impact factor of 2.0,

Total Vertical Load = 460^k

Weight of Piling (42"ϕ x 2.00") = 0.071 k/in

Assume L = 67' = 804 in.

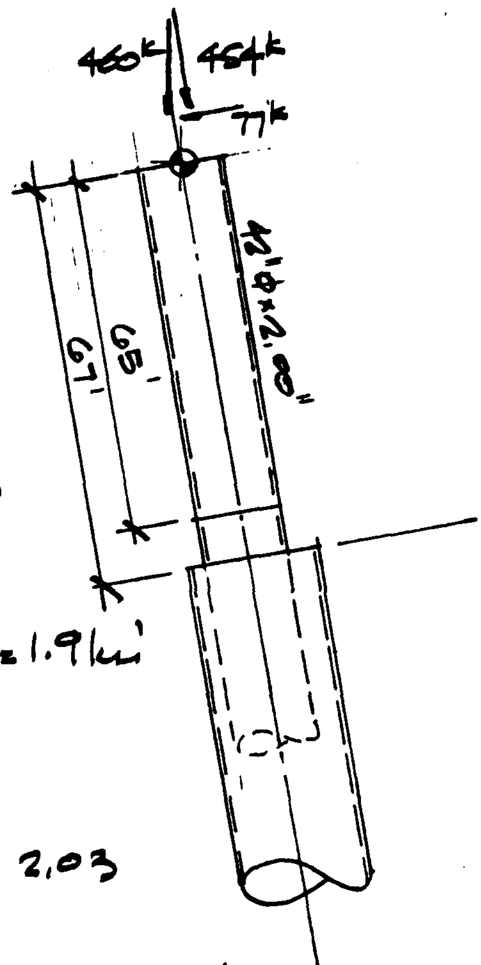
$$f_{b\,hammer} = \frac{PL}{S} = \frac{77^k \times 804\,in}{2400\,in^3} = 25.8\,ksi$$

$$f_{b\,piling} = \frac{wl^2}{2S} = \frac{0.014\ ^k/_{in}\,(804\,in.)^2}{2 \times 2400\,in^3} = 1.9\,ksi$$

$$f_{b\,total} = 27.7\,ksi.$$

$$f_{a\,total} = \frac{454^k}{251.3\,in^2} + \frac{0.071\ ^k/_{in}\,(804)}{251.3\,in^2} = 2.03$$

$$f_{total} = 27.7 + 2.03 = 29.73\,ksi < 30\,ksi \therefore o.k.$$



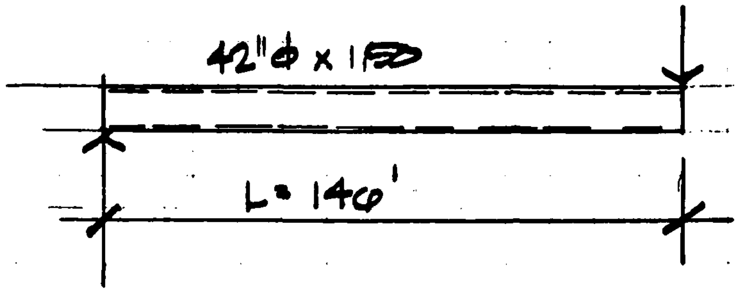
CREST OFFSHORE, INC.

Sheet 9.10 of ____

By JWS Client U.S. NAVY Subject Design of 81' MLW Structure

Date 9-6-76 Job No. 27-771-94 Calculation ____

CHECK MAXIMUM LENGTH of PILE for PICKUP



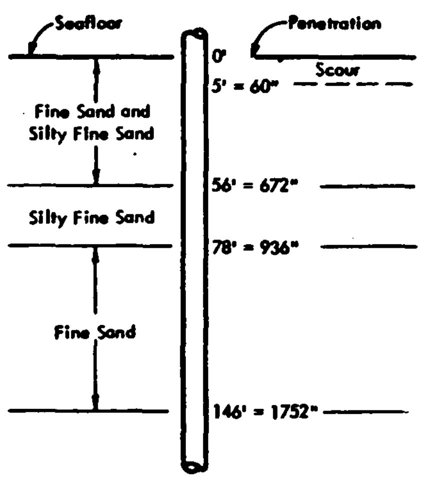
$A = 190.852 \text{ in}^2$
$S_x = 1866.396 \text{ in}^3$
$I_x = 39,194.320$
$r_x = 14.331 \text{ in}$
$wt = 648.82 \text{ \#/'}$

$$\text{Max Mom} = \frac{w l^2}{8} = \frac{0.649 \text{ k/'} (146)^2}{8} = 1729.3'^{k}$$

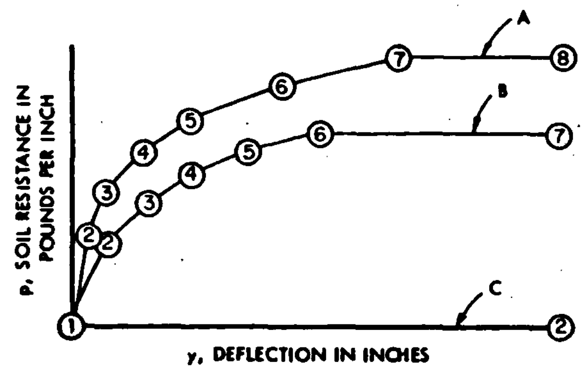
$$f_b = \frac{M}{S} = \frac{1729.3'^{k} \times 12''/'}{1866.4 \text{ in}^3} = 11.12 \text{ ksi} < 21.6 \text{ ksi} \therefore \text{o.k.}$$

9.7 SOIL DATA - P-Y CURVES - STRUCTURE #1

	42 — IN. DIAMETER PIPE PILES																		
	Penetration, Inches	Typical Curve	Coordinates of Curve Points																
			y1	P1	y2	P2	y3	P3	y4	P4	y5	P5	y6	P6	y7	P7	y8	P8	y9	P9
0 & 5	0 & 60	C	0	0	20.00	0														
8'	96	A	0	0	0.019	88	0.095	123	0.25	150	0.41	168	0.70	188	1.58	237	20.00	237		
14	168	A	0	0	0.009	194	0.085	545	0.24	876	0.41	1122	0.70	1440	1.58	2274	20.00	2274		
21	252	A	0	0	0.013	433	0.090	1068	0.24	1718	0.41	2210	0.70	2857	1.58	4572	20.00	4572		
21.083	253	A	0	0	0.006	198	0.083	687	0.24	1135	0.41	1469	0.70	1907	1.58	3051	20.00	3051		
28	336	A	0	0	0.009	408	0.086	1165	0.24	1902	0.41	2455	0.70	3181	1.58	5089	20.00	5089		
35	420	A	0	0	0.013	732	0.090	1794	0.24	2885	0.41	3711	0.70	4797	1.58	7675	20.00	7675		
35.083	421	A	0	0	0.031	1669	0.11	2978	0.25	4535	0.42	5752	0.70	7371	1.58	11794	20.00	11794		
39	468	A	0	0	0.037	2221	0.11	3726	0.26	5579	0.42	7042	0.70	8997	1.58	14395	20.00	14395		
56	672	A	0	0	0.053	4524	0.13	6794	0.27	9794	0.43	12220	0.70	15494	1.58	24790	20.00	24790		
56.083 & 78	673 & 936	B	0	0	0.075	774	0.19	1050	0.47	1425	1.18	1934	2.94	2625	20.00	2625				
78.083	937	A	0	0	0.053	6307	0.13	9473	0.27	13656	0.43	17039	0.70	21603	1.58	34566	20.00	34566		
146	1752	A	0	0	0.053	11794	0.13	17712	0.27	25535	0.43	31859	0.70	40394	1.58	64631	20.00	64631		



STRATIGRAPHY ASSUMED FOR P-Y DATA



TYPICAL CURVES

P-Y DATA

BORING 1

SECTION 10.0

INSTALLATION ANALYSES

10.1 INTRODUCTION

This section contains the analyses considered pertinent to the installation of the structure.

Section 10.2 includes the check of the stresses on the structural members at the mudline due to the soil pressure on the jacket before the piling can be attached to the jacket.

Section 10.3 is the analysis of the recommended lifting eyes for the jacket lift. For the analysis of the recommended lifting eyes for the superstructure, refer to Report No. 27-771-98.

Section 10.4 is the left analysis for the jacket. The computer output for the anlaysis is in Appendix B.8. For the lift analysis of the superstructure, refer to Report No. 27-771-98.

Section 10.5 contains the floatation analysis for the jacket.

Reference Drawings:

3016265	Jacket - Elevations
3016266	Jacket - Plan at El. (+) 12'-0"
3016267	Jacket - Plan at El. (-) 13'-0" & (-) 47'-0"
3016268	Jacket - Plan at El. (-) 81'-0"
3016272	Jacket - Lift Eye Details

CREST OFFSHORE, INC.

Sheet 10.02 of

By WA Client U.S. Navy Subject Design of 81' MLW Structure
Date 9-6-76 Job No. 27-771-94 Calculation

10.2 SOIL PRESSURE ON STRUCTURE

Weight of Jacket = 296^k
Weight of Anodes = 11^k
Weight of Pile String = 95^k $146' \times 0.649^k/'$

402^k

Buoyancy of Jacket in-place = -118.7^k

NET WT = 283.3^k

Projected Area of Structural Members
(1/3 of Plan)

56 FT of 18"ϕ = 84 S.F. 18"$\phi \times 0.500$
28 FT of $10\frac{3}{4}$"ϕ = 25 S.F. $10\frac{3}{4}$"$\phi \times 0.365$

109 S.F.

Pressure on Structural Members

$$P = \frac{283.3^k}{3 \times 109 \text{ S.F}} = 0.866 \text{ }^k/\text{FT}^2$$

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Sheet 10.03 of ____

By JWS Client U.S. NAVY Subject Design of 81' MWL Structure

Date 9-6-76 Job No. 27-771-94 Calculation

Load on 18"ϕ Member

S_x: 117.05 $\quad 0.8666^{k}/\phi \times 1.5' = 1.299\ ^{k}/FT$

Load on $10\frac{3}{4}$"ϕ Member

S_x = 29.912 $\quad 0.8666^{k}/\phi \times \frac{10.75}{12} = 0.776\ ^{k}/FT.$

Check 18"ϕ Member - $L = 28.57' - \frac{42}{2\times12} - 1' = 25.82$

$$f_b = \frac{w l^2}{12S} = \frac{(1.299)(25.82')^2(12)}{12 \times 117.05} = 7.40\ ksi$$

7.40 ksi < 21.6 ksi $\therefore$ o.k.

Check $10\frac{3}{4}$"ϕ Member - $L = 28' - \left(\frac{24}{2\times12}\right)\cancel{2} = 26'$

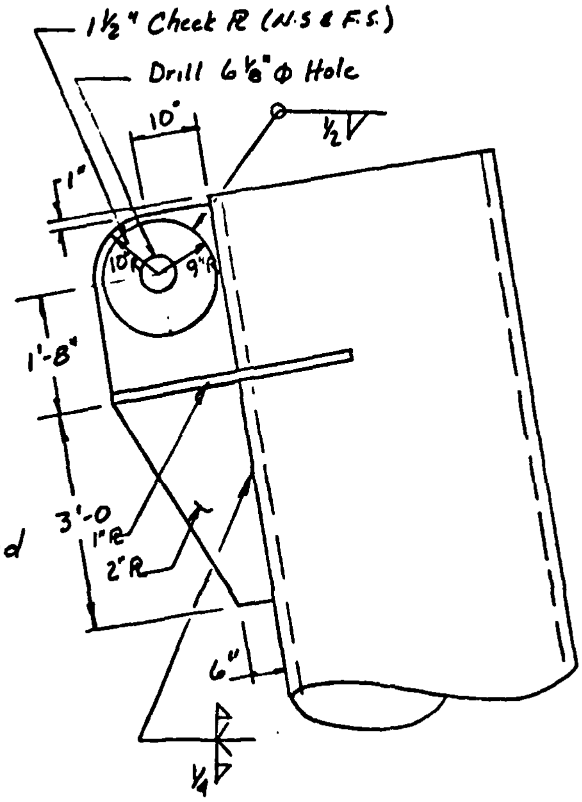
$$f_b = \frac{w l^2}{12S} = \frac{(0.776)(26)^2 \times 12}{12 \times 29.912} = 17.54\ ksi$$

17.54 ksi < 21.6 ksi $\therefore$ o.k.

10.3 LIFTING EYES - JACKET

Lifting Eyes - Jacket

Vertical Lift



Weight of Jacket = 380^k
(excluding boat landing & bumpers)

Assumptions:

1. Entire weight is at one lift eye.
2. Impact Factor of 2.0
3. Total applied load can be acting completely horizontal or completely vertical.
4. Sling $\theta = 60°$ for maximum load

$\therefore$ Max $P = 880^k$ at $\theta = 60°$

Check Shear in Pin

Use 6.00" Pin in double shear

$$f_s = \frac{P}{A} = \frac{880^k}{2(\pi\, 3.00^2)} = 15.6 \text{ ksi}$$

$$F_s = 0.4 (36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$15.6 < 19.2$$

Lifting Eyes - Jacket

Vertical Lift

Check Bearing on Plate

$$f_{br} = \frac{P}{Dt} = \frac{880^k}{(6.00)(5.00)} = 29.3 \text{ ksi}$$

$$F_{br} = 0.9(36 \text{ ksi}) = 32.4 \text{ ksi}$$

$$29.3 < 32.4$$

Check Pin Shearing Through Plates

$$A = 4[(9-3) \times 1.5] + 2[(10-3) \times 2]$$

$$A = 36 + 28 = 64 \text{ in}^2$$

$$f_s = \frac{880^k}{64 \text{ in}^2} = 13.8 \text{ ksi}$$

$$F_s = 0.4(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi}$$

$$13.8 < 19.2$$

Lifting Eyes - Jacket

Vertical Lift

Check Tension Through Lift Eye

$$A = 4\left[(9-3)\times 1.5\right] + 2\left[(10-3)\times 2.0\right]$$

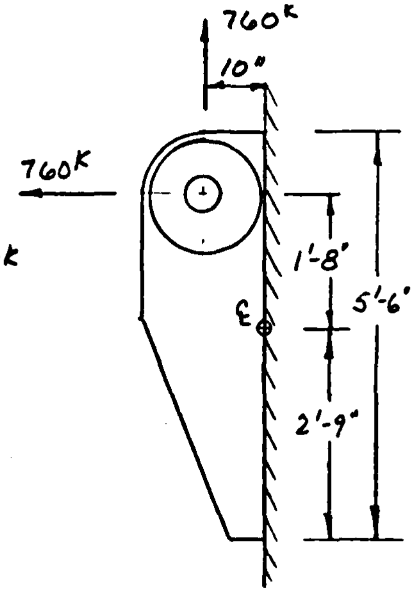
$$A = 64\ in^2$$

$$f_t = \frac{880^k}{64\ in^2} = 13.8\ ksi$$

$$F_t = 0.6\,(36\ ksi)\times 1.33 = 28.7\ ksi$$

$$13.8 < 28.7$$

Check Combined Bending and Tension



Shear Force = 760^k
Tension Force = 760^k (Conservative)

$$M_{℄} = 760^k \times 20'' - 760^k \times 10'' = 7600\ in\text{-}k$$

$$f_s = \frac{760^k}{(66'')(2'')} = 5.8\ ksi$$

$$f_n = \frac{7600\,(6)}{2''\,(66'')^2} + \frac{760^k}{(66'')(2'')} = 11.0\ ksi$$

Using Mohr's Circle,

$$f_{n\,max} = \frac{11.0}{2} + \left[\left(\frac{11.0}{2}\right)^2 + (5.8)^2\right]^{1/2} = 13.5\ ksi$$

$$F_n = 0.6\,(36\ ksi)\times 1.33 = 28.7 > 13.5$$

CREST OFFSHORE, INC.

Sheet 10.08 of ____

By J. Talbot Client U.S. Navy Subject Design of MLW Structure
Date 8-17-76 Job No. 27-771- Calculation

Lifting Eyes - Jacket

Vertical Lift

Assuming an average shear distribution,

$$f_{s\,max} = \left[\left(\frac{11.0}{2} \right)^2 + (5.8)^2 \right]^{1/2} = 8.0 \text{ ksi}$$

$$F_s = 0.4\,(36 \text{ ksi}) \times 1.33 = 19.2 \text{ ksi} > 8.0$$

Assume shear distribution parabolic, maximum shear at center of plate.

$$f_s = 1.5\,(5.8) = 8.7 \text{ ksi}$$

$$f_n = \frac{760}{(66")(2.0")} = 5.8 \text{ ksi}$$

$$f_{s\,max} = \left[\left(\frac{5.8}{2} \right)^2 + (8.7)^2 \right]^{1/2} = 9.2 \text{ ksi}$$

$$9.2 < 19.2$$

Check Weld of Cheek Plates

$$\frac{A_e}{A_{Total}} = \frac{1.5}{5.0} = 0.30$$

$$P_{shear} = 880^k \times 0.30 = 264^k$$

$$\frac{P}{C} = \frac{264^k}{\pi\, 18"} = 4.7\ ^k/_{in}$$

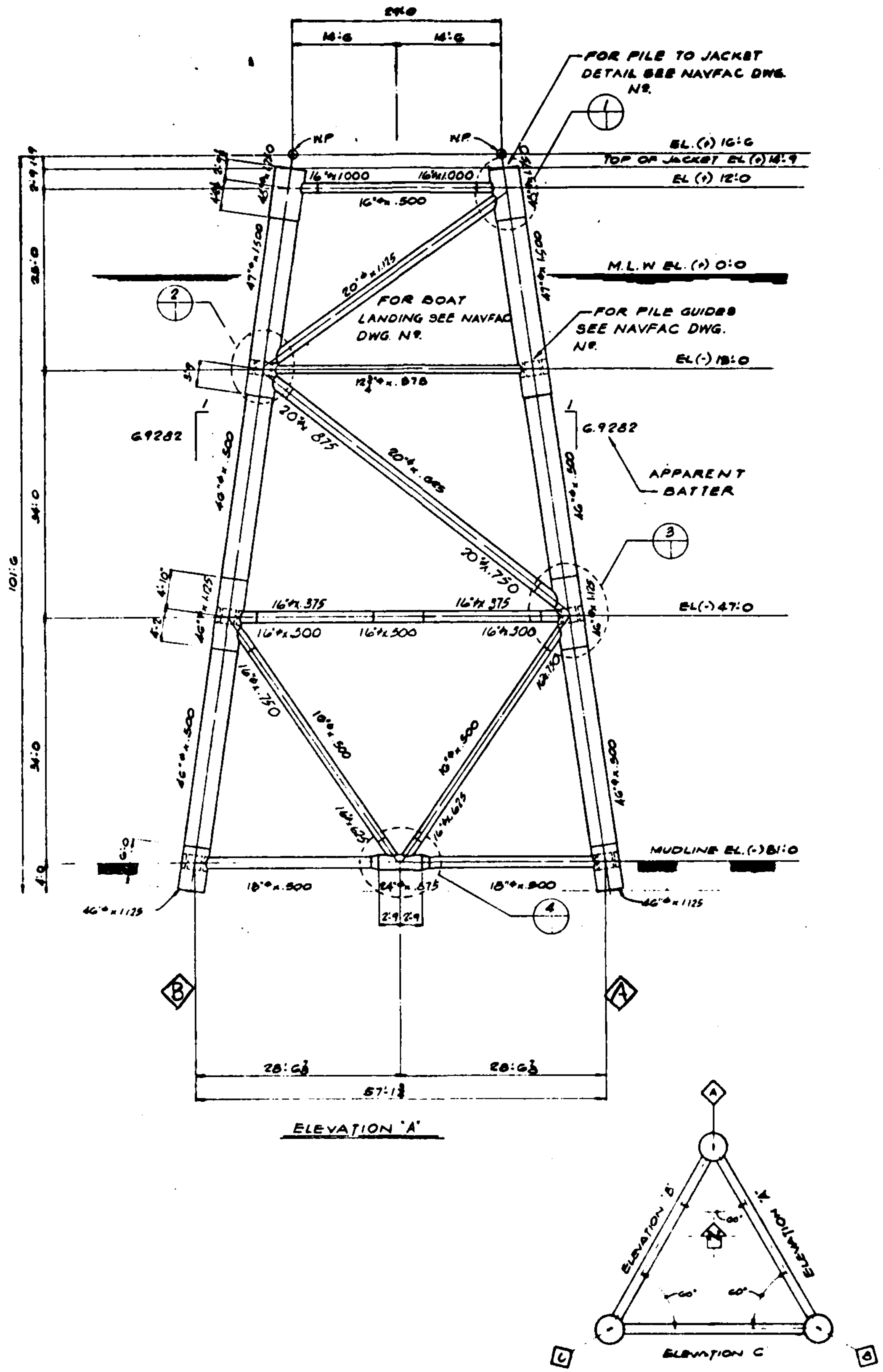
$$\omega = \frac{4.7}{11.2} = 0.42 \text{ in}$$ Use 1/2" fillet weld

10.4 LIFT ANALYSIS

CREST OFFSHORE, INC.

Sheet 10.10 of ____

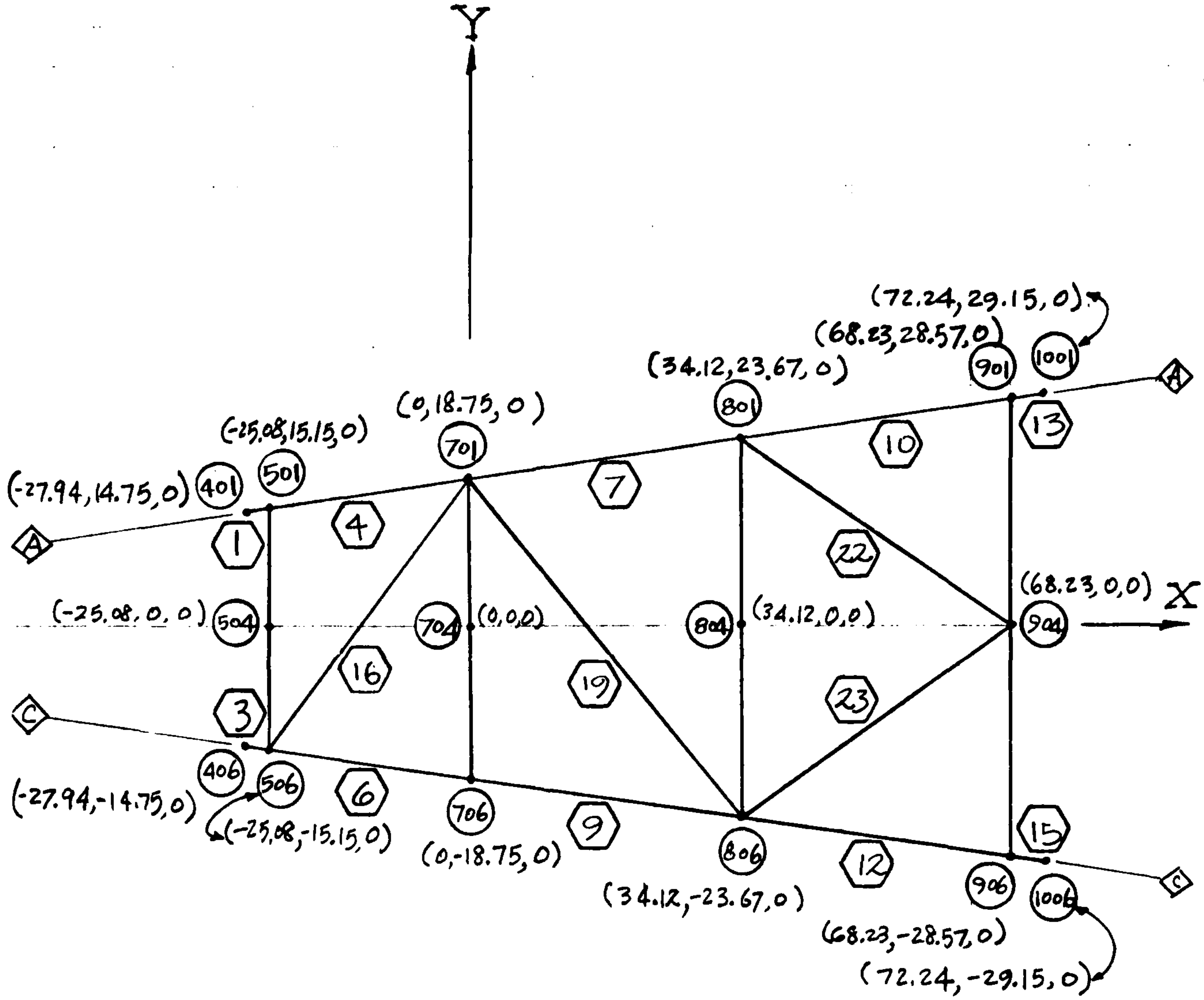
By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-771-01 Calculation Platform #1



CREST OFFSHORE, INC.

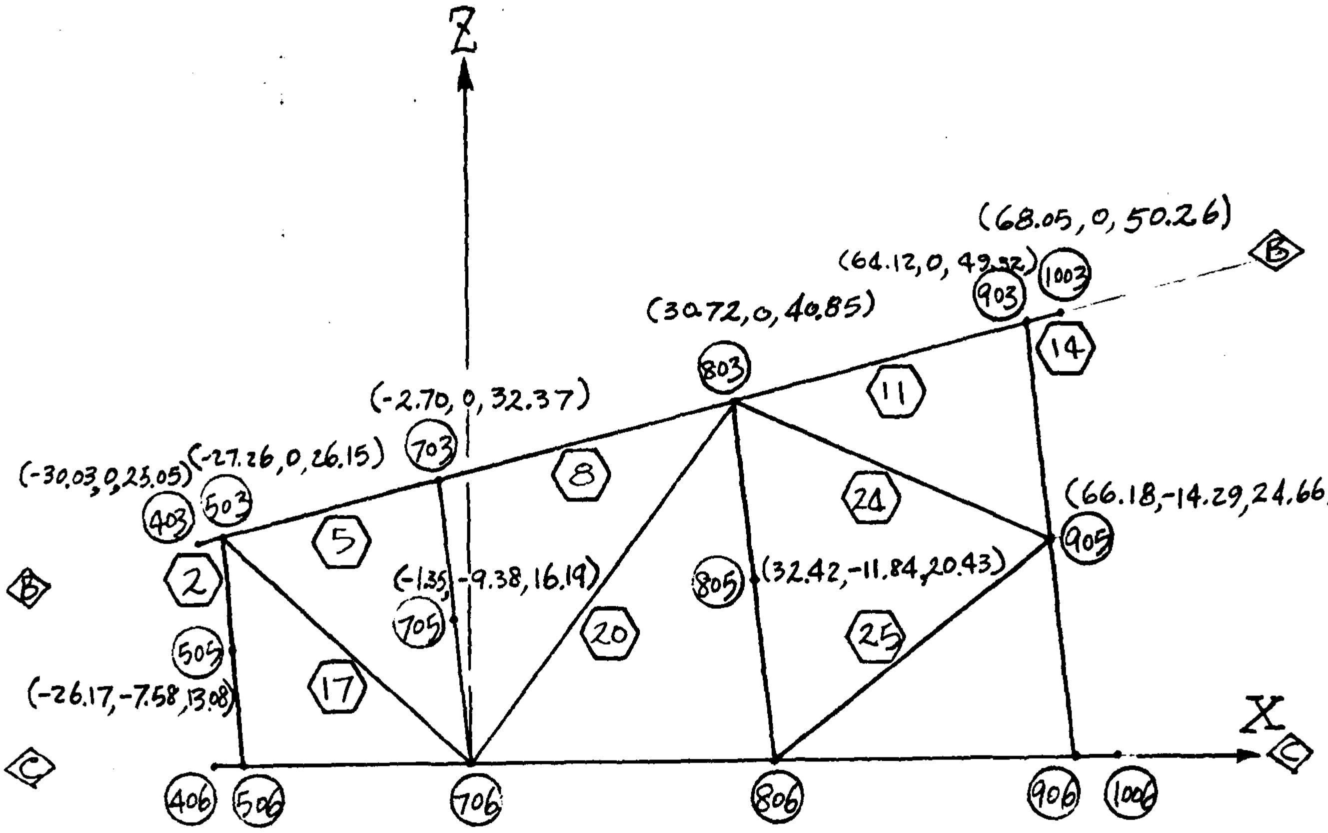
Sheet 10.11 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-20-76 Job No. 27-771-01 Calculation Platform #1



$$34 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 34.12$$

$$25 \times \frac{\sqrt{37}}{6} \times \frac{6.9282}{7} = 25.08$$



JOINT

503 $26.24 \times \frac{12}{\sqrt{145}} = 26.15$

$26.24 \times \frac{1}{\sqrt{145}} = 2.18$

403 $25.14 \times \frac{12}{\sqrt{145}} = 25.05$

$25.14 \times \frac{1}{\sqrt{145}} = 2.09$

JOINT

903 $49.49 \times \frac{12}{\sqrt{145}} = 49.32$

$49.49 \times \frac{1}{\sqrt{145}} = 4.11$

803 $40.99 \times \frac{12}{\sqrt{145}} = 40.85$

$40.99 \times \frac{1}{\sqrt{145}} = 3.40$

703 $32.48 \times \frac{12}{\sqrt{145}} = 32.37$

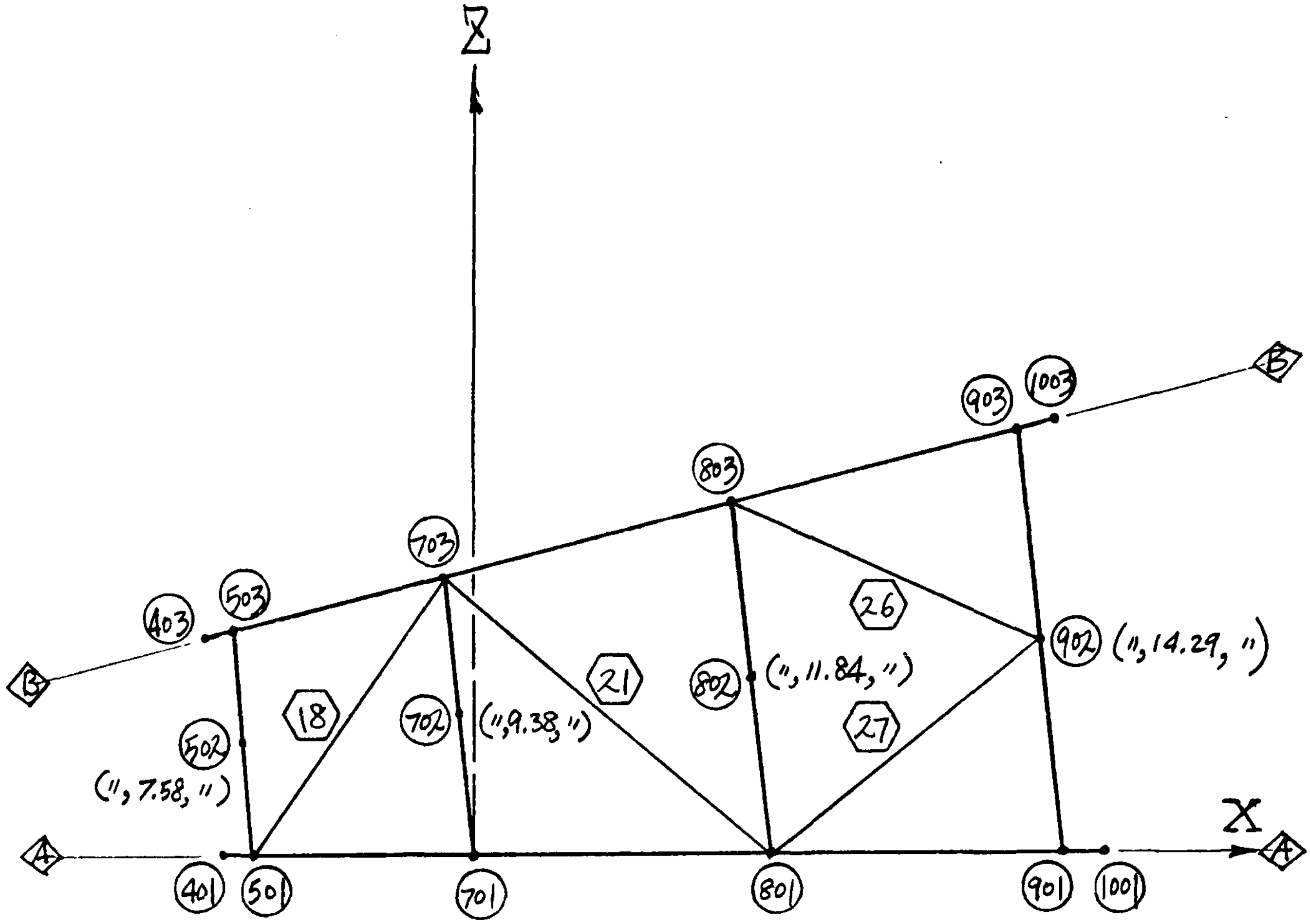
$32.48 \times \frac{1}{\sqrt{145}} = 2.70$

CREST OFFSHORE, INC.

Sheet 10.13 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-20-76 Job No. 27-771-01 Calculation Platform #1



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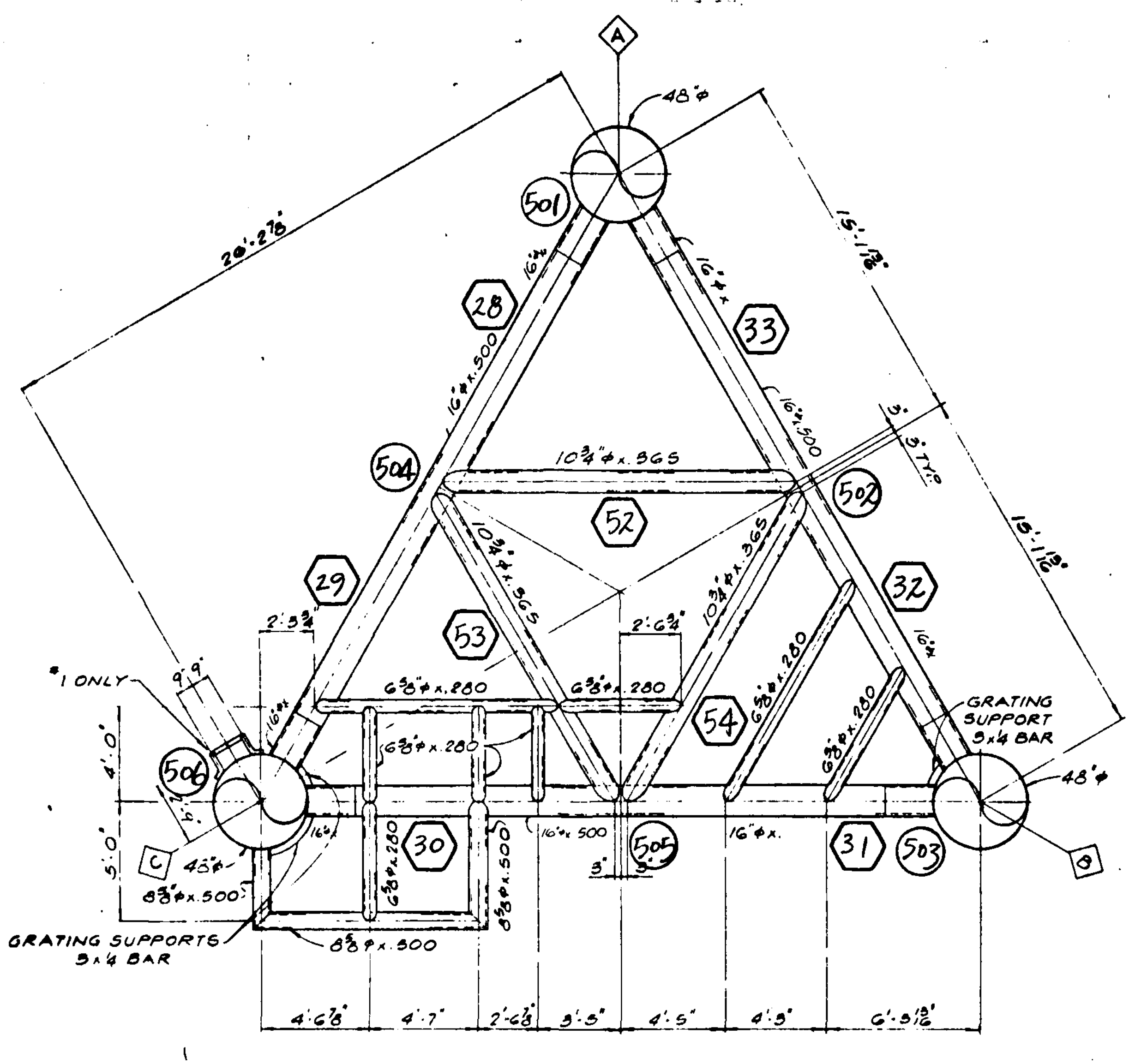
Sheet 10.14 of ____

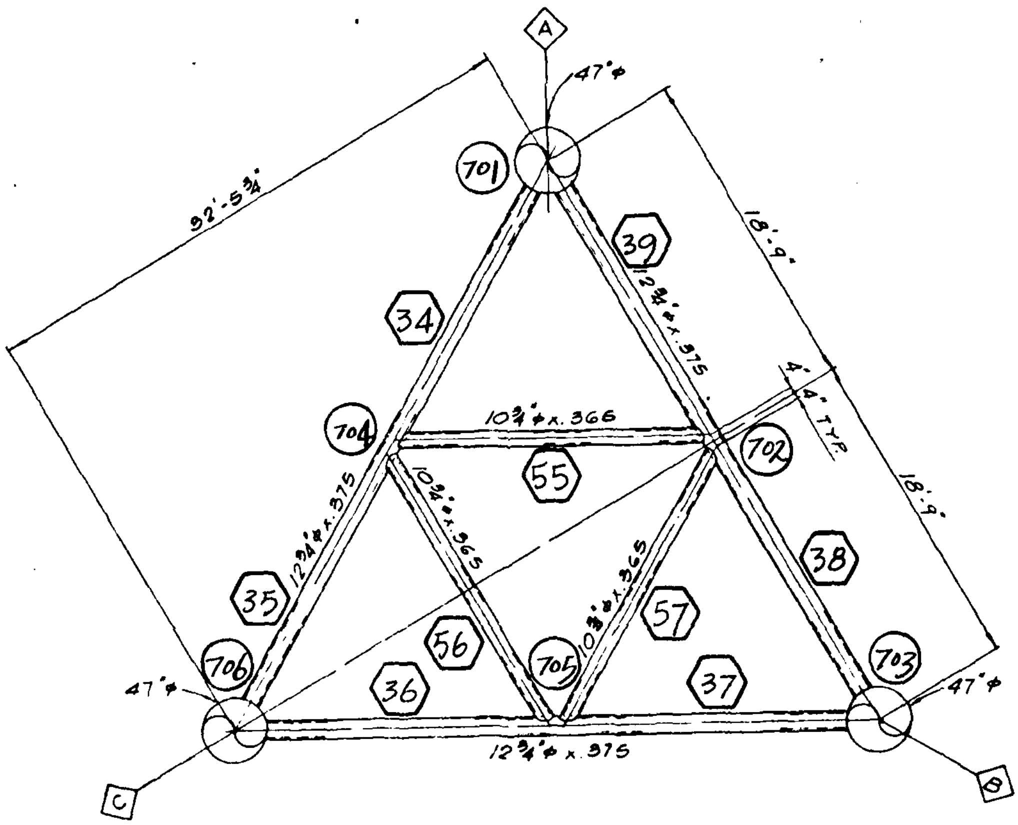
By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-771-01 Calculation Platform #1



CREST OFFSHORE, INC.

Sheet 10.15 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-77L-0L Calculation Platform #1

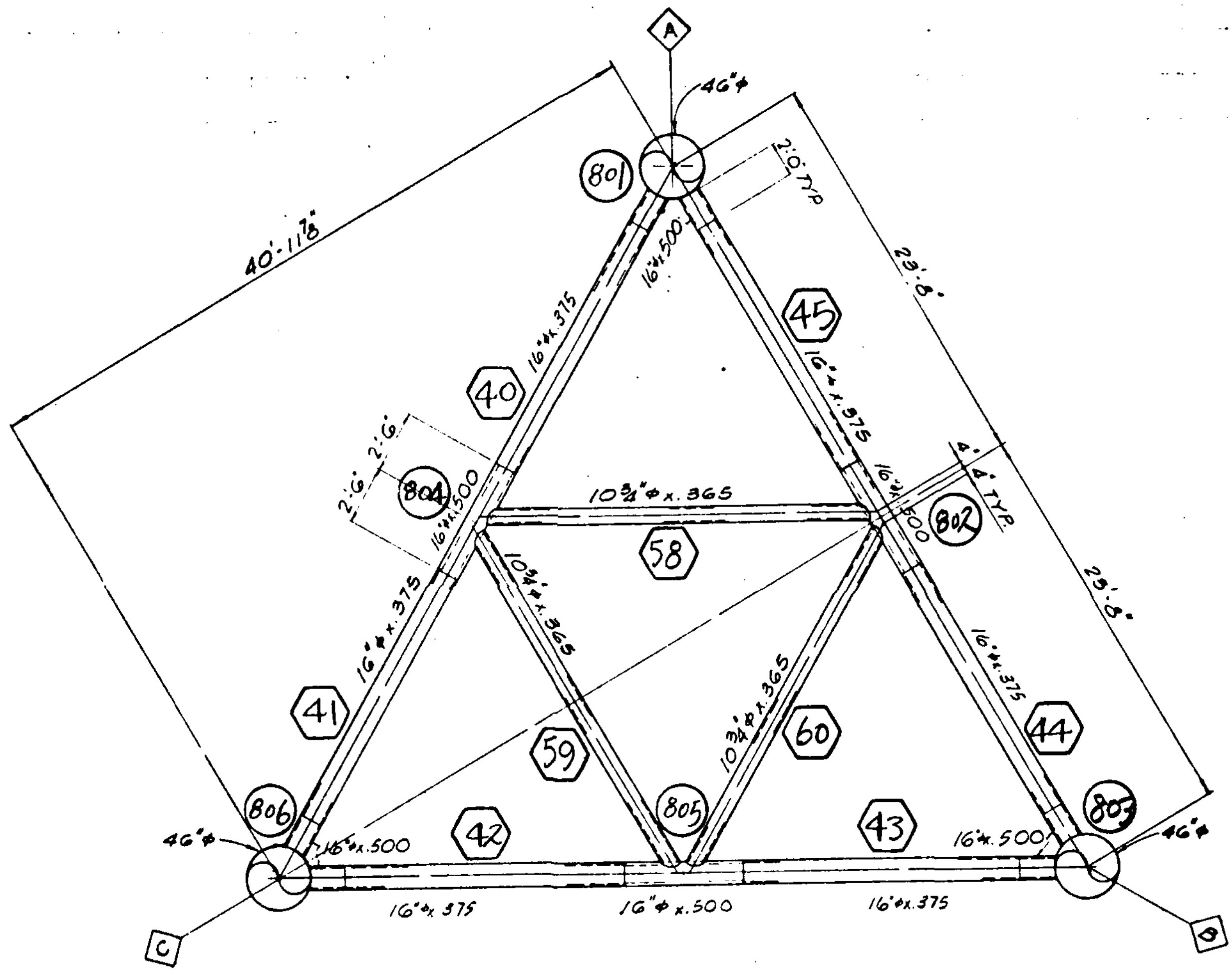


CREST OFFSHORE, INC.

Sheet 10.160 of ____

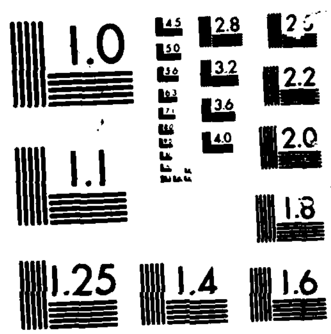
By C. Chern Client U.S. NAVY Subject Lifting Analysis

Date 8-23-76 Job No. 27-771-01 Calculation Platform #1



AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 3/8

UNCLASSIFIED F/G 13/13 NL

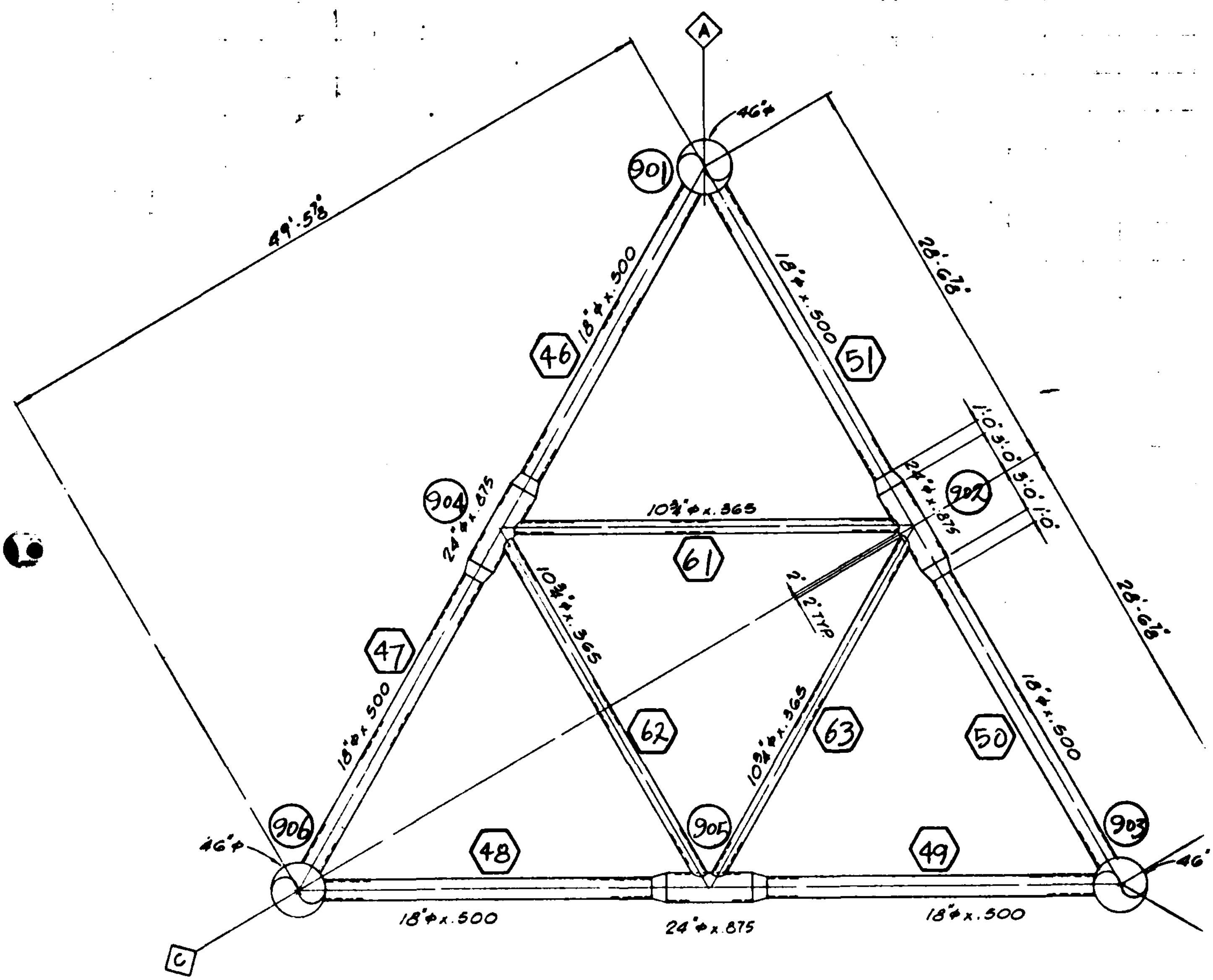


MICROCOPY RESOLUTION TEST CHART

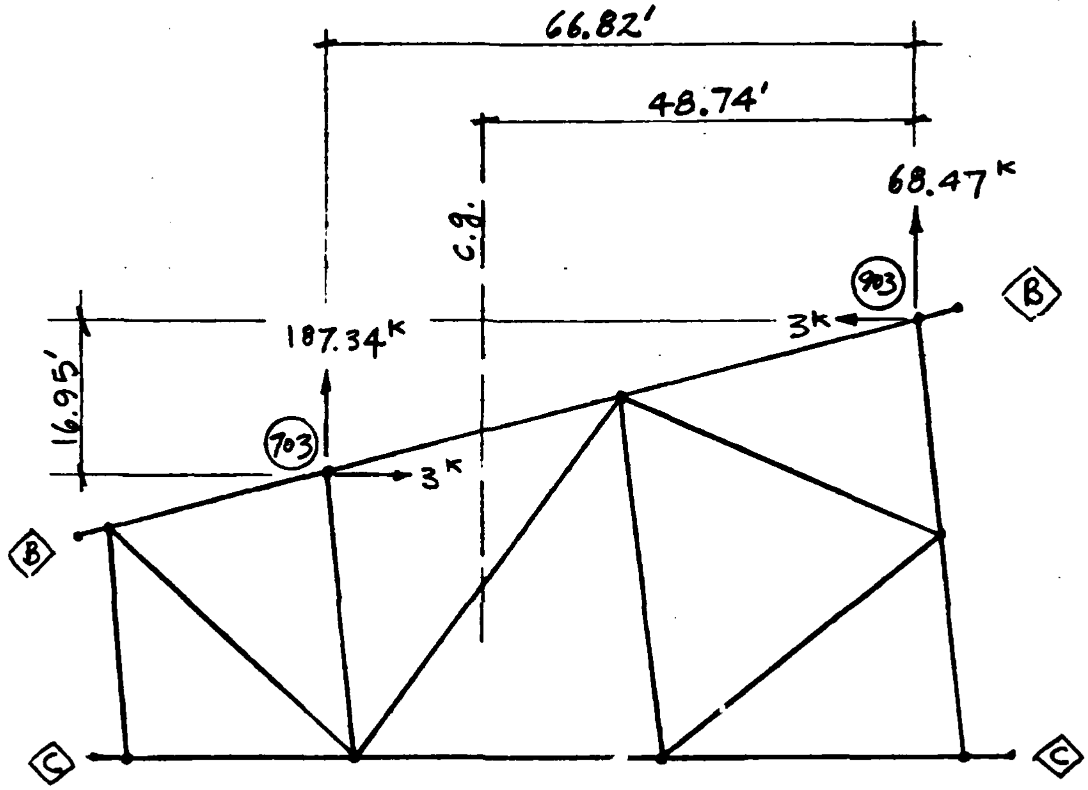
CREST OFFSHORE, INC.

Sheet 10.17 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-23-76 Job No. 27-771-01 Calculation Platform #1



LOCATION OF CENTER OF GRAVITY



$\Sigma M_{903} = 0$

$$\bar{x} = \frac{187.34 \times 66.82 - 3 \times 16.95}{187.34 + 68.47}$$

$= 48.74'$

$(48'\text{-}9'')$

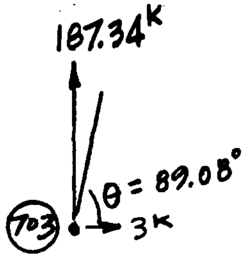
CREST OFFSHORE, INC.

Sheet 10.19 of ____

By C. Chern Client U. S. NAVY Subject Lifting Analysis

Date 8-25-76 Job No. 27-771-01 Calculation Platform #1

JOINT No. 703

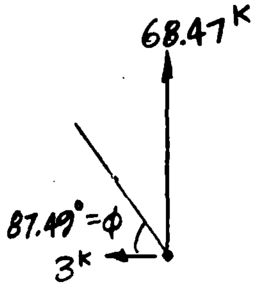


$$\theta = \tan^{-1} \frac{187.34}{3} = 89.08^\circ$$

$$\text{Sling force} = 187.34 / \sin 89.08^\circ$$

$$= 187.36 \text{ kips}$$

JOINT No. 903



$$\phi = \tan^{-1} \frac{68.49}{3} = 87.49^\circ$$

$$\text{Sling Force} = 68.47 / \sin 87.49^\circ$$

$$= 68.56 \text{ kips}$$

$$h = 48.74 \times \tan 87.49^\circ = 1,111.88 \text{ FT}$$

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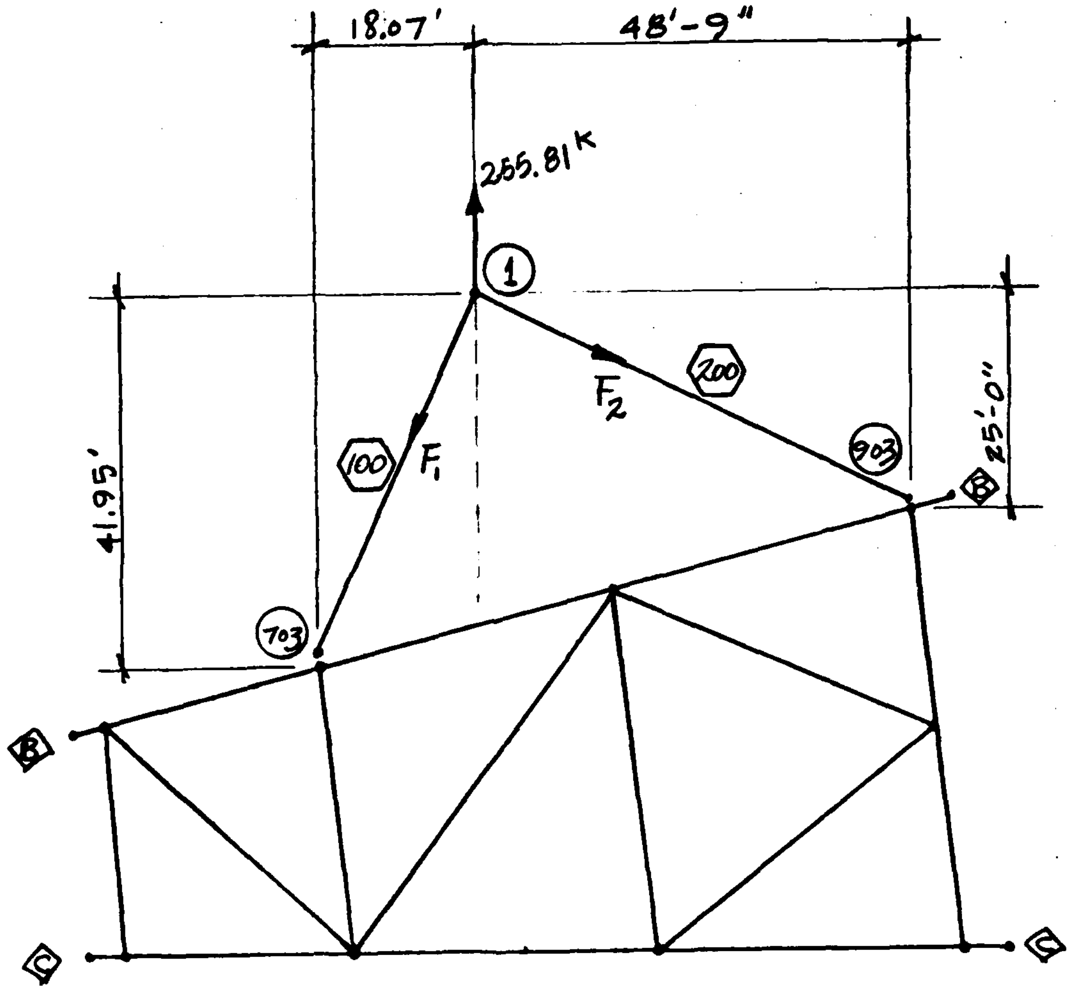
Sheet 10.20 of ____

By C. Chern Client U.S. NAVY Subject Lifting Analysis
Date 8-25-76 Job No. 27-72-02 Calculation Platform #1

SINGLE POINT LIFTING (FOR CHECKING ONLY)



Sling Length #200 $l_2 = \sqrt{25^2 + 48.75^2} = 54.79'$

(54'-9")

#100 $l_1 = \sqrt{18.07^2 + 41.25^2} = 45.68'$

(45'-8")

Equilibrium @ Pt. 1

$$\begin{cases} F_2 \times \dfrac{25}{54.79} + F_1 \times \dfrac{41.95}{45.68} = 255.81 & \text{(a)} \\[2ex] \dfrac{48.75}{54.79} F_2 = \dfrac{18.07}{45.68} F_1 & \text{(b)} \end{cases}$$

From Eq (b) $F_2 = \dfrac{18.07 \times 54.79}{45.68 \times 48.75} F_1 = 0.442\, F_1$

From Eq (a) $\left(\dfrac{18.07 \times 25}{45.68 \times 48.75} + \dfrac{41.95}{45.68} \right) F_1 = 255.81$

$F_1 = 228.16$ kips ←

$F_2 = 0.442 \times 228.16$

$= 100.85$ kips ←

CREST OFFSHORE, INC.

Sheet 10.22 of

By JWA Client U.S. NAVY Subject Design of 81' MLW Structure
Date 9.6.76 Job No. 21-171-94 Calculation

10.5 FLOATATION ANALYSIS

Buoyancy of Jacket in Launch Mode = 349.5^k
(Ref. Section 10.5, p. 10.23)

Weight of Jacket in Launch Mode

Material Listing	$= 296^k$
Anodes	$= 11^k$
	307^k

$349.5^k > 307^k$ ∴ Floatation is acheived

CREST OFFSHORE, INC.

Sheet 10.23 of ____

By L. Kirk Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 9-1-76 Job No. 27-771-94 Calculation BOUYANCY-LAUNCH

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED	
48.0"Ø x 1.75 WT	21.00 FT	263.76 FT³	
47.5"Ø x 1.50 WT	73.86 FT	908.48 FT³	
47.0"Ø x 1.25 WT	45.00 FT	541.80 FT³	
45.5"Ø x 0.50 WT	160.83 FT	1815.77 FT³	
24.0"Ø x 0.875 WT	16.50 FT	51.81 FT³	
20.0"Ø x 1.125 WT	114.27 FT	249.11 FT³	
20.0"Ø x 0.875 WT	9.00 FT	19.62 FT³	
20.0"Ø x 0.75 WT	11.25 FT	24.53 FT³	
20.0"Ø x 0.625 WT	153.54 FT	334.72 FT³	
18.0"Ø x 0.50 WT	138.96 FT	244.57 FT³	
16.0"Ø x 1.00 WT	14.00 FT	19.46 FT³	
16.0"Ø x 0.75 WT	21.00 FT	29.19 FT³	
16.0"Ø x 0.625 WT	18.00 FT	25.02 FT³	
16.0"Ø x 0.50 WT	441.96 FT	614.32 FT³	
12.75"Ø x 0.375 WT	106.89 FT	94.70 FT³	
10.75"Ø x 0.365 WT	246.75 FT	155.45 FT³	
8.625"Ø x 0.50 WT	18.42 FT	7.47 FT³	
6.625"Ø x 0.280 WT	54.75 FT	13.09 FT³	
3.50"Ø x 0.216	22.50 FT	1.49 FT³	
2.875"Ø x 0.375	6.00 FT	0.27 FT³	
2.375"Ø x 0.154	274.50 FT	8.24 FT³	
2.00 STL. PLATE	45.8 FT²	7.65 FT³	
1.50 STL. PLATE	17.69 FT²	2.21 FT³	
1.00 STL. PLATE	45.27 FT²	3.76 FT³	
0.75 STL. PLATE	47.10 FT²	2.94 FT³	
0.625 STL. PLATE	37.68 FT²	1.96 FT³	
0.50 STL. PLATE	52.50 FT²	2.19 FT³	
0.375 STL. PLATE	4.13 FT²	0.13 FT³	
0.250 STL. PLATE	1.70 FT²	0.04 FT³	
GRATING	196.28 FT²	16.29 FT³	
ANGLE 4"x6"x 3/8"	24.00 FT	1.25 FT³	
	TOTAL	5461.29 FT³	

All Members - Dry J.O.

(Bouyancy) Weight of Sea Water Displaced = 5461.29 x 64 = 349522.56#

CREST OFFSHORE, INC.

Sheet 24 of ____

By L. Kirk Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 9-1-76 Job No. 27-771-94 Calculation BOUYANCY-IN PLACE

DESCRIPTION	QTY.	VOLUME SEA WATER DISPLACED (DRY I.D.)	1.) FLOODED I.D. OR 2.) ABOVE WATER LINE	
48.0"Ø x 1.75 WT	21.00 FT	263.76 FT^3	263.76 FT^3 (2.)	
47.5"Ø x 1.50 WT	73.86 FT	908.48 FT^3	908.48 FT^3 (1.&2.)	JACKET LEGS
47.0"Ø x 1.25 WT	45.00 FT	541.80 FT^3	486.00 FT^3 (1.)	
45.5"Ø x 0.50 WT	160.83 FT	1815.77 FT^3	1736.96 FT^3 (1.)	
24.0"Ø x 0.875 WT	16.50 FT	51.81 FT^3		
20.0"Ø x 1.125 WT	114.27 FT	249.11 FT^3		
20.0"Ø x 0.875 WT	9.00 FT	19.62 FT^3		
20.0"Ø x 0.75 WT	11.25 FT	24.53 FT^3		
20.0"Ø x 0.625 WT	153.54 FT	334.72 FT^3		
18.0"Ø x 0.50 WT	138.96 FT	244.57 FT^3		
16.0"Ø x 1.00 WT	14.00 FT	19.46 FT^3	19.54 FT^3 (2.)	
16.0"Ø x 0.75 WT	21.00 FT	29.19 FT^3		
16.0"Ø x 0.625 WT	18.00 FT	25.02 FT^3		
16.0"Ø x 0.50 WT	441.96 FT	614.32 FT^3	111.46 FT^3 (2.)	
12.75"Ø x 0.375 WT	106.89 FT	94.70 FT^3		(+) 12'-0" ELEV.
10.75"Ø x 0.365 WT	246.75 FT	155.45 FT^3	28.05 FT^3 (2.)	
8.625"Ø x 0.50 WT	18.42 FT	7.47 FT^3	7.47 FT^3 (2.)	
6.625"Ø x 0.280 WT	54.75 FT	13.09 FT^3	13.11 FT^3 (2.)	
3.50"Ø x 0.216	22.50 FT	1.49 FT^3		
2.875"Ø x 0.375	6.00 FT	0.27 FT^3		
2.375"Ø x 0.154	274.50 FT	8.24 FT^3		
2.00 STL. PLATE	45.8 FT^2	7.65 FT^3	7.65 FT^3 (2.)	LIFTING EYES
1.50 STL. PLATE	17.69 FT^2	2.21 FT^3	2.21 FT^3 (2.)	
1.00 STL. PLATE	45.27 FT^2	3.76 FT^3	3.76 FT^3 (2.)	
0.75 STL. PLATE	47.10 FT^2	2.94 FT^3		
0.625 STL. PLATE	37.68 FT^2	1.96 FT^3		
0.50 STL. PLATE	52.50 FT^2	2.19 FT^3		
0.375 STL. PLATE	4.13 FT^2	0.13 FT^3		
0.250 STL. PLATE	1.70 FT^2	0.04 FT^3		
GRATING	196.28 FT^2	16.29 FT^3	16.29 FT^3 (2.)	(+) 12'-0"
ANGLE 4"x6"x3/8"	24.00 FT	1.25 FT^3	1.25 FT^3 (2.)	ELEV.
	TOTALS	5461.29 FT^3	3605.99 (FT^3)	

(Bouyancy) Weight of Sea Water Displaced = (5461.29 FT^3) - (3605.99 FT^3) x 64 = 118739.20#

SECTION 11.0

CORROSION PROTECTION

11.1 INTRODUCTION

The surface area of a marine structure is divided into three zones for corrosion protection consideration, the Submerged Zone, the Splash Zone, and the Atmospheric Zone.

The Submerged Zone is protected from corrosion by cathodic protection through the use of sacrificial anodes. The Splash Zone is protected by using one half inch thick extra material in excess of that needed for strength and then painted. The Atmosphere Zone is protected with paint.

11.2 DESIGN DATA

Zones for Corrosion Protection:

1. Submerged Zone - El. (-) 4.0 feet to El. (-) 81.0 ft.
2. Splash Zone - El. (+) 11.0 feet to El. (-) 4.0 feet.
3. Atmospheric Zone- El. (+) 75.0 feet to El. (+) 11.0 feet.

Current Requirements:

Current Density = 6 MA/ft^2 of surface in water

2 MA/ft^2 of surface in mud

Design Life:

N = 20 years

CREST OFFSHORE, INC.

Sheet 11.03 of 1

By L. KIRK Client U.S. NAVY Subject DESIGN OF 81' MLW STRUCTURE
Date 7-4-76 Job No. 27-771-94 Calculation SURFACE AREA CALCULATION

11.3 SUBMERGED ZONE

LOCATION (ELEV.)	DESCRIPTION	QTY	SURFACE AREA (FT^2)	(FT^2) TOTAL SURFACE AREA
-41'-0" TO -13'-0"	47"Ø x 12'-9" J.L.	3	156.8	470.4
" " "	20"Ø x 15'-0" D.B.	3	78.6	235.8
-13'-0"	12 3/4"Ø x 37'-6" H.B.	3	125.2	375.6
-13'-0" (PLAN)	12 3/4"Ø x 18'-6" H.B.	3	61.7	185.1
-13'-0" TO -47'-0"	20"Ø x 53'-11" D.B.	3	282.5	847.5
" " "	46"Ø x 30'-3" J.L.	3	364.2	1092.6
-47'-0" (PLAN)	16"Ø x 47'-2" H.B.	3	198.1	594.3
" " "	10 3/4"Ø x 23'-3" H.B.	3	65.3	195.9
-47'-0" TO -81'-0"	46"Ø x 38'-0" J.L.	3	457.6	1372.8
" " "	16"Ø x 41'-4" D.B.	6	173.6	1041.5
-81'-0" (PLAN)	18"Ø x 25'-11" H.B.	6	122.0	732.0
" " "	24"Ø x 5'-6" H.B.	3	34.5	103.5
" " "	10 3/4" x 28'-9" H.B.	3	80.7	+242.1
				7489.1
PILING	42"Ø x 2.00 WT x 220'-0"	3	2419.0	+7257.0
				14746.1

CREST OFFSHORE, INC.

Sheet 11-4 of ____

By WA Client U.S. NAVY Subject Design of 81' MLW Structure
Date 9-6-76 Job No. 21-171-94 Calculation

TOTAL CURRENT REQUIREMENTS

$$I = 6\,\frac{mA}{ft^2} \times 7489\ ft^2 + 2\,\frac{mA}{ft^2} \times 7257\ ft^2$$

$I = 59.4$ Amps

CAPACITY of ALLOY

Use Alluminum - Zinc - Mercury Alloy

$$C = 1250\ \frac{\text{amp-hrs}}{\text{lbs}}$$

TOTAL WEIGHT of SACRIFICAL ANODES

$$W_T = \frac{I \times N \times 8760}{C} = \frac{59.4 \times 20 \times 8760}{1250}$$

$W_T = 8325.5^{\#}$

Using $725^{\#}$ Anode

$$n = \frac{8325.5^{\#}}{725} = 11.48$$

USE 12 - $725^{\#}$ Anodes

11.4 SPLASH ZONE

The Splash Zone is protected by first using one half inch thick extra material in excess of that needed for strength, and then by applying paint to the structural members in the zone.

11.5 ATMOSPHERIC ZONE

The Atmospheric Zone is protected by paint. The surface area of the structure requiring paint is 8,500 square feet. The surface area calculations can be found in Report No. 37-771-98, Section 2.7, Paint Area.

SECTION 12.0

MATERIAL LIST AND WEIGHT

12.0 INTRODUCTION

This section includes a material listing and total weight of each major component of the structure including the superstructure, jacket, boat landing, boat fenders, and piling. The material listing in this section is a summary and includes only the total length and weight of each particular shape for each of the major components. A more detailed listing is found in the computer output in Appendix B.9.

12.2 MATERIAL LISTING & WEIGHT - SUPERSTRUCTURE

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

12.03

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90	
W 6 X 15.50	250.67	3885.35	
CHANNELS			
C 12 X 29.00	136.69	3417.35	
C 12 X 20.70	3.75	77.62	
C 10 X 15.30	51.00	780.30	
ANGLE			
5.000 X 3.000 X 0.375	73.20	712.23	
4.000 X 3.000 X 0.375	23.33	197.26	
3.000 X 3.000 X 0.375	40.00	287.11	
3.000 X 3.000 X 0.250	5.33	26.08	
2.500 X 2.500 X 0.250	95.37	385.38	
PLATE			
1.250 THICKNESS	41.92	2139.71	
1.000 THICKNESS	109.30	4463.16	
0.750 THICKNESS	34.18	1046.67	
0.500 THICKNESS	76.86	1569.18	
0.375 THICKNESS	82.34	1260.83	
0.250 THICKNESS	1186.36 (1025Ft^2)*	13199.09 (11552.7#)*	* 1/4" Checkered Floor Plate
0.125 THICKNESS	15.51	79.17	
GRATING			
7.360 LBS PER SQ FT	276.10	2032.10	

TOTAL WEIGHT 132752.69 LBS

12.04

CREST OFFSHORE, INC.

Sheet 12.05 of ____

By JWA Client U.S. NAVY Subject Design of 81' MLW STRUCTURE

Date 9.6.76 Job No. 27-771-94 Calculation ____

12.3 MATERIAL LISTING & WEIGHT - JACKET

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. X 1.750 WT	21.00	18169.88
47.500 O.D. X 1.500 WT	73.86	54480.52
47.000 O.D. X 1.250 WT	45.00	27510.37
45.500 O.D. X 0.500 WT	160.83	38684.06
24.000 O.D. X 0.875 WT	16.50	3569.08
20.000 O.D. X 1.250 WT	114.27	28630.32
20.000 O.D. X 0.875 WT	9.00	1610.03
20.000 O.D. X 0.750 WT	11.25	1736.31
20.000 O.D. X 0.625 WT	153.54	19875.86
18.000 O.D. X 0.500 WT	138.96	12998.11
16.000 O.D. X 1.000 WT	14.00	2244.60
16.000 O.D. X 0.750 WT	21.00	2567.63
16.000 O.D. X 0.625 WT	97.83	10049.62
16.000 O.D. X 0.500 WT	362.13	30001.89
12.750 O.D. X 0.375 WT	106.89	5302.69
10.750 O.D. X 0.365 WT	246.75	9998.49
8.625 O.D. X 0.500 WT	18.42	799.96
6.625 O.D. X 0.280 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	22.50	170.62
2.875 O.D. X 0.375 WT	6.00	60.13
2.375 O.D. X 0.154 WT	274.50	1003.68

12.06

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE		
4.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.84	3743.80
1.500 THICKNESS	17.69	1083.45
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.70
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	259.08	6611.92
0.500 THICKNESS	52.50	1071.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER SQ FT	196.28	1444.63

==================================

TOTAL WEIGHT 295490.75 LBS

1207

12.4 MATERIAL LISTING & WEIGHT - BOAT LANDING

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12.750 O.D. X 0.843 WT	47.83	5132.74
10.750 O.D. X 0.500 WT	2.67	146.06
8.625 O.D. X 0.500 WT	137.91	5989.45
6.625 O.D. X 0.432 WT	272.53	7794.44
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.218 WT	3.33	16.74
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	75.00	204.03
CHANNELS		
C 12 X 20.70	2.50	51.75
C 6 X 8.20	16.00	131.20
ANGLE		
2.000 X 2.000 X 0.250	3.00	9.57
1.000 X 1.000 X 0.125	3.00	2.39

12.09

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE		
0.750 THICKNESS	64.94	1988.94
0.500 THICKNESS	9.72	198.45
GRATING		
7.360 LBS PER SQ FT	116.17	855.04

TOTAL WEIGHT 23909.20 LBS

12.10

CREST OFFSHORE, INC.

Sheet 12-11 of ____

By JWB Client U.S. NAVY Subject Design of an OWW Structure
Date 9-6-76 Job No. 27-771-94 Calculation ________

12.5 MATERIAL LISTING & WEIGHT – BOAT FENDERS

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18.000 O.D. X 0.750 WT	46.75	6465.68
16.000 O.D. X 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72

TOTAL WEIGHT 13425.55 LBS

12.12

CREST OFFSHORE, INC.

Sheet 12.13 of

By WMS Client U.S. Navy Subject Design of 8 L MW Structure
Date 9.6.76 Job No. 27-III-94 Calculation

12.6 MATERIAL LISTING & WEIGHT – PILING

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 1 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 2.000 WT	459.00	392541.13
42.000 O.D. X 1.750 WT	126.00	94876.13
42.000 O.D. X 1.500 WT	399.00	259120.63
39.750 O.D. X 0.625 WT	72.00	18821.29
38.250 O.D. X 0.625 WT	24.00	6033.24

TOTAL WEIGHT 771392.31 LBS

12.14

APPENDIX A.1

ENVIRONMENTAL DATA

A. H. GLENN AND ASSOCIATES

A.1 ENVIRONMENTAL DATA

GLENN'S WAVE DATA

TABLE 22: 50 YEAR STORM WIND, TIDE AND WAVE CHARACTERISTICS: 35°57'N, 75°16'W: SPECIFIED 81 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Chart Depth	81.0 Ft.
Highest Astronomical Tide	4.5 Ft.
Storm Tide	4.0 Ft.
Total Tide	8.5 Ft.
Still Water Depth	89.5 Ft.
Height of Maximum Wave	60.3 Ft.
Period of Maximum Wave	13.6 Sec.
Crest Elevation of Maximum Wave Above Still Water Level	46.4 Ft.
Crest Elevation of Maximum Wave Above Chart Datum	54.9 Ft.
Crest Elevation of Maximum Wave Above Bottom	135.9 Ft.
Length of Maximum Wave	774.9 Ft.
1 Hour Wind	114 Mph
0.5 Hour Wind	120 Mph
1 Minute Wind	145 Mph
Maximum Instantaneous Gust	174 Mph

From July 7, 1975 Report

TABLE 23: 50 YEAR DESIGN CURRENT[1] VERSUS PERCENT OF DEPTH: 35°57'N, 75°16'W: SPECIFIED 81 FOOT CHART DEPTH: OFFSHORE KITTY HAWK, NORTH CAROLINA

Percent Of Depth	Current Speed (Ft/Sec.)
0%	4.3
10%	4.0
20%	3.6
30%	3.3
40%	3.0
50%	2.8
60%	2.5
70%	2.2
80%	1.9
90%	1.6
100%	0.8

NOTES: [1] Recommended Design Current To Be Considered Simultaneous With 50 Year Wave... See Text.

[2] Use Drag Coefficient, C_D = 0.68. For Combined Wave Current Velocities for 1.0 Ft. Diameter Pile. Use Conversion Factors in Table 21 For Other Diameters.

From July 7, 1975 Report

APPENDIX A.2

WAVE PROFILES

A-6 WAVE PROFILES

Dean's Wave for 81' MLLW Structure with Free Surface Effects
Pressures at Crest and at +20' & -20'

FIELD VARIABLES FOR WAVE: CREST:81 FT. DEPTH

WAVE PARAMETERS:
HEIGHT = 60.30 FT., PERIOD = 13.60 SECS., LENGTH = 803.60 FT.
WATER DEPTH = 89.50 FT.

PILE DIAMETER: 3.00 FT., BOTTOM CURRENT = 1.30 FT./SEC., SURFACE CURRENT = 4.30 FT./SEC.

6-25-76

All Pressures in PSF

Includes Modification for Effect of Free Surface

Revised Format

WAVE: CREST:81 FT. DEPTH

X = (FT.)	-380.00	-360.00	-340.00	-320.00	-300.00	-280.00	-260.00	-240.00	-220.00
SURFACE ELEVATION (FT.)	76.92	77.03	77.19	77.41	77.74	78.19	78.78	79.53	80.53
SURFACE									
HOR. DRAG PRESS.	-8.63	-8.13	-7.73	-7.24	-6.32	-5.05	-3.76	-2.47	-1.11
HOR. INER PRESS.	-1.76	-1.78	-1.47	-2.69	-4.90	-6.25	-6.79	-8.71	-12.98
VER. DRAG PRESS.	-0.05	-0.14	-0.30	-0.62	-1.24	-2.16	-3.52	-5.89	-10.01
VER. INER PRESS.	3.82	3.14	4.21	6.21	7.29	7.79	9.77	13.71	17.60
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.11
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-12.98
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.01
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.60
ELEV = 80.00									
HOR. DRAG PRESS.	-8.63	-8.13	-7.73	-7.24	-6.32	-5.05	-3.76	-2.47	-1.10
HOR. INER PRESS.	-1.76	-1.78	-1.47	-2.69	-4.90	-6.25	-6.79	-8.71	-13.06
VER. DRAG PRESS.	-0.05	-0.14	-0.30	-0.62	-1.24	-2.16	-3.52	-5.89	-9.91
VER. INER PRESS.	3.82	3.14	4.21	6.21	7.29	7.79	9.77	13.71	17.45

2

ELEV = 70.00

HOR. DRAG PRESS.	-9.52	-9.07	-8.58	-7.93	-6.91	-5.56	-4.08	-2.52	-0.98
HOR. [illegible] PRESS.	-1.46	-1.83	-2.05	[illegible]	-5.14	-6.67	-8.00	-10.42	-14.37
VER. [illegible] PRESS.	-0.04	-0.12	-0.26	[illegible]	-1.04	-1.81	-2.98	-4.90	-8.00
VER. [illegible] PRESS.	3.55	3.23	4.07	[illegible]	6.56	7.38	9.17	12.06	14.87
ELEV = 60.00									
HOR. DRAG PRESS.	-10.95	-10.49	-9.86	-9.01	-7.80	-6.27	-4.54	-2.71	-0.99
HOR. INER PRESS.	-1.25	-1.95	-2.61	-3.85	-5.55	-7.26	-9.10	-11.75	-15.46
VER. DRAG PRESS.	-0.03	-0.09	-0.21	-0.43	-0.81	-1.40	-2.33	-3.82	-6.15
VER. INER PRESS.	3.14	3.09	3.71	4.74	5.68	6.63	8.19	10.37	12.53
ELEV = 50.00									
HOR. DRAG PRESS.	-12.54	-12.04	-11.29	-10.26	-8.87	-7.13	-5.14	-3.04	-1.11
HOR. INER PRESS.	-1.19	-2.07	-3.00	-4.31	-5.98	-7.82	-9.96	-12.75	-16.33
VER. DRAG PRESS.	-0.02	-0.07	-0.16	-0.31	-0.58	-1.01	-1.70	-2.78	-4.48
VER. INER PRESS.	2.69	2.76	3.23	4.00	4.80	5.72	7.01	8.67	10.33
ELEV = 40.00									
HOR. DRAG PRESS.	-14.31	-13.76	-12.90	-11.70	-10.12	-8.16	-5.92	-3.59	-1.43
HOR. INER PRESS.	-1.18	-2.20	-3.29	-4.66	-6.36	-8.31	-10.63	-13.50	-17.00
VER. DRAG PRESS.	-0.01	-0.04	-0.10	-0.21	-0.39	-0.67	-1.12	-1.87	-3.14
VER. INER PRESS.	2.20	2.31	2.68	3.25	3.91	4.69	5.71	6.96	8.21
ELEV = 30.00									
HOR. DRAG PRESS.	-16.28	-15.68	-14.71	-13.36	-11.59	-9.41	-6.90	-4.30	-1.94
HOR. INER PRESS.	-1.20	-2.30	-3.50	-4.94	-6.67	-8.71	-11.13	-14.05	-17.50
VER. DRAG PRESS.	-0.01	-0.03	-0.06	-0.12	-0.22	-0.39	-0.65	-1.08	-1.90
VER. INER PRESS.	1.68	1.79	2.06	2.47	2.97	3.58	4.34	5.24	6.13
ELEV = 20.00									
HOR. DRAG PRESS.	-18.47	-17.82	-16.75	-15.25	-13.30	-10.89	-8.12	-5.16	-2.66
HOR. INER PRESS.	-1.22	-2.38	-3.64	-5.13	-6.90	-8.99	-11.48	-14.43	-17.84
VER. DRAG PRESS.	-0.00	-0.01	-0.03	-0.06	-0.10	-0.17	-0.29	-0.48	-0.83
VER. INER PRESS.	1.14	1.22	1.40	1.67	2.01	2.42	2.93	3.51	4.08
ELEV = 10.00									
HOR. DRAG PRESS.	-20.90	-20.20	-19.04	-17.41	-15.28	-12.66	-9.61	-6.31	-3.52
HOR. INER PRESS.	-1.24	-2.42	-3.73	-5.24	-7.04	-9.16	-11.69	-14.65	-18.04
VER. DRAG PRESS.	-0.00	-0.00	-0.01	-0.01	-0.03	-0.04	-0.07	-0.12	-0.22
VER. INER PRESS.	0.58	0.62	0.71	0.84	1.01	1.22	1.47	1.76	2.04
ELEV = 0.00									
HOR. DRAG PRESS.	0.00	-1.79	-1.69	-1.56	-1.38	-1.16	-0.90	-0.61	-0.35
HOR. INER PRESS.	0.00	-2.44	-3.76	-5.28	-7.08	-9.22	-11.75	-14.72	-18.11
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3

WAVE: CREST:81 FT. DEPTH

X = (FT.)	-200.00	-180.00	-160.00	-140.00	-120.00	-100.00	-80.00	-60.00	-40.00
SURFACE = ELEVATION (FT.)	81.83	83.53	85.68	88.41	91.90	96.30	101.72	108.34	116.53
SURFACE									
HOR. DRAG PRESS.	-0.09	0.45	3.46	11.52	35.87	69.38	60.25	260.93	243.85
HOR. INER PRESS.	-17.94	-22.17	-27.30	-35.97	-47.63	-58.38	-66.60	-77.35	-94.80
VER. DRAG PRESS.	-16.37	-25.33	-38.18	-57.15	-82.81	-111.65	-139.95	-163.52	-172.26
VER. INER PRESS.	20.10	22.62	26.81	31.04	31.30	26.11	18.72	11.27	-4.29
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	243.85
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-94.60
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-172.26
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.29
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	60.25	260.93	544.92
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	-66.60	-77.35	-61.82
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	-139.95	-163.52	-127.53
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	18.72	11.27	-14.48
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	35.87	69.38	141.87	257.07	413.95
HOR. INER PRESS.	0.00	0.00	0.00	0.00	-47.63	-58.38	-65.54	-69.23	-65.58
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	-82.81	-111.65	-132.35	-120.15	-81.76
VER. INER PRESS.	0.00	0.00	0.00	0.00	31.30	26.11	17.30	2.00	-22.45
ELEV = 90.00									
HOR. DRAG PRESS.	-0.09	0.45	3.46	11.52	30.69	68.82	131.02	220.68	331.22
HOR. INER PRESS.	-17.94	-22.17	-27.30	-35.97	-47.07	-55.11	-59.18	-59.87	-53.06
VER. DRAG PRESS.	-16.37	-25.33	-38.18	-57.15	-78.52	-92.22	-94.84	-82.50	-53.07
VER. INER PRESS.	20.10	22.62	26.81	31.04	29.74	21.56	10.28	-4.76	-25.02
ELEV = 80.00									
HOR. DRAG PRESS.	-0.08	0.54	4.02	13.22	32.82	67.98	121.88	195.73	280.91
HOR. INER PRESS.	-18.10	-22.63	-28.17	-35.99	-44.34	-50.39	-53.01	-51.60	-43.46
VER. DRAG PRESS.	-15.74	-23.44	-33.48	-45.97	-58.69	-67.12	-66.94	-56.12	-34.61
VER. INER PRESS.	19.59	21.59	24.28	25.55	22.73	15.57	5.27	-8.31	-24.68

ELEV = 70.00

4

HOR. DRAG PRESS.	-0.03	0.77	4.78	14.52	33.66	65.87	112.93	173.35	[illegible]0.10
HOR. INER PRESS.	-18.98	-23.67	-22.06	-3[illegible]	-41.88	-46.22	-47.43	-44.63	[illegible]6.12
VER. DRAG PRESS.	-12.46	-18.35	-25.79	-3[illegible]	-42.78	-47.75	-46.49	-37.62	-22.47
VER. INER PRESS.	16.87	18.57	20.13	[illegible]3	17.28	10.96	1.83	-9.77	-22.78
ELEV = 60.00									
HOR. DRAG PRESS.	-0.02	0.91	5.21	15.11	33.47	62.86	104.04	154.38	207.16
HOR. INER PRESS.	-19.79	-24.38	-29.41	-34.81	-39.65	-42.58	-42.62	-38.93	-30.52
VER. DRAG PRESS.	-9.45	-13.75	-19.02	-24.86	-30.12	-32.90	-31.36	-24.72	-14.36
VER. INER PRESS.	14.23	15.56	16.40	15.88	13.01	7.52	-0.28	-9.88	-20.07
ELEV = 50.00									
HOR. DRAG PRESS.	-0.02	0.93	5.30	15.08	32.47	59.29	95.55	138.35	180.95
HOR. INER PRESS.	-20.45	-24.86	-29.47	-34.00	-37.69	-39.51	-38.62	-34.38	-26.27
VER. DRAG PRESS.	-6.76	-9.73	-13.25	-17.00	-20.18	-21.64	-20.26	-15.66	-8.89
VER. INER PRESS.	11.69	12.67	13.06	12.26	9.65	5.02	-1.41	-9.11	-16.96
ELEV = 40.00									
HOR. DRAG PRESS.	-0.06	0.83	5.09	14.53	30.89	55.41	87.67	124.70	160.55
HOR. INER PRESS.	-20.96	-25.16	-29.37	-33.22	-36.03	-36.99	-35.42	-30.86	-23.09
VER. DRAG PRESS.	-4.71	-6.35	-8.52	-10.76	-12.56	-13.26	-12.22	-9.31	-5.21
VER. INER PRESS.	9.24	9.93	10.05	9.20	6.98	3.24	-1.85	-7.78	-13.66
ELEV = 30.00									
HOR. DRAG PRESS.	-0.16	0.68	4.62	13.56	28.90	51.43	80.51	113.21	144.23
HOR. INER PRESS.	-21.34	-25.33	-29.21	-32.54	-34.71	-35.04	-32.98	-28.24	-20.79
VER. DRAG PRESS.	-3.06	-3.90	-4.83	-6.01	-6.92	-7.21	-6.57	-4.95	-2.74
VER. INER PRESS.	6.87	7.32	7.31	6.57	4.82	1.99	-1.78	-6.10	-10.29
ELEV = 20.00									
HOR. DRAG PRESS.	-0.41	0.49	3.94	12.27	26.60	47.45	74.12	103.68	131.37
HOR. INER PRESS.	-21.59	-25.43	-29.06	-32.02	-33.75	-33.65	-31.27	-26.43	-19.23
VER. DRAG PRESS.	-1.53	-2.11	-2.18	-2.67	-3.04	-3.13	-2.83	-2.11	-1.16
VER. INER PRESS.	4.55	4.82	4.77	4.22	3.03	1.13	-1.37	-4.19	-6.89
ELEV = 10.00									
HOR. DRAG PRESS.	-0.84	0.20	3.46	10.74	24.09	43.61	68.48	95.93	121.46
HOR. INER PRESS.	-21.73	-25.48	-28.95	-31.70	-33.16	-32.81	-30.26	-25.37	-18.33
VER. DRAG PRESS.	-0.38	-0.55	-0.61	-0.67	-0.76	-0.77	-0.70	-0.52	-0.28
VER. INER PRESS.	2.27	2.40	2.36	2.07	1.46	0.50	-0.74	-2.14	-3.46
ELEV = 0.00									
HOR. DRAG PRESS.	-0.12	0.00	0.22	0.71	1.68	3.13	4.98	7.04	8.95
HOR. INER PRESS.	-21.77	-25.49	-28.91	-31.59	-32.97	-32.53	-29.92	-25.02	-18.03
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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WAVE: CREST:81 FT. DEPTH

X = (FT.)	-20.00	0.00	20.00	40.00	60.00	80.00	100.00	120.00	140.00
SURFACE ELEVATION (FT.)	126.99	137.17	126.99	116.53	108.34	101.72	96.30	91.90	88.41
SURFACE									
HOR. DRAG PRESS.	357.60	537.17	357.60	243.85	260.93	60.25	69.38	35.87	11.52
HOR. INER PRESS.	-96.99	0.00	96.99	94.80	77.35	66.60	58.38	47.63	35.97
VER. DRAG PRESS.	-120.41	0.00	120.41	172.26	163.52	139.95	111.65	82.81	57.15
VER. INER PRESS.	-38.65	-52.66	-38.65	-4.29	11.27	18.72	26.11	31.30	31.04
ELEV = 130.00									
HOR. DRAG PRESS.	357.60	784.13	357.60	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-96.99	0.00	96.99	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-120.41	0.00	120.41	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	-38.65	-72.59	-38.65	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	665.08	1047.95	665.08	243.85	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-77.05	0.00	77.05	94.80	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-79.42	0.00	79.42	172.26	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	-49.08	-76.98	-49.08	-4.29	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	860.85	948.24	860.85	544.92	260.93	60.25	0.00	0.00	0.00
HOR. INER PRESS.	-56.45	0.00	56.45	81.82	77.35	66.60	0.00	0.00	0.00
VER. DRAG PRESS.	-45.85	0.00	45.85	127.53	163.52	139.95	0.00	0.00	0.00
VER. INER PRESS.	-52.60	-71.25	-52.60	-14.48	11.27	18.72	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	554.84	604.96	554.84	413.95	257.07	141.87	69.38	35.87	0.00
HOR. INER PRESS.	-42.35	0.00	42.35	65.58	69.23	65.54	58.38	47.63	0.00
VER. DRAG PRESS.	-27.60	0.00	27.60	81.76	120.15	132.35	111.65	82.81	0.00
VER. INER PRESS.	-50.07	-62.73	-50.07	-22.45	2.00	17.30	26.11	31.30	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	432.92	475.82	432.92	331.22	220.68	131.02	68.82	30.69	11.52
HOR. INER PRESS.	-32.55	0.00	32.55	53.06	59.87	59.18	55.11	47.07	35.97
VER. DRAG PRESS.	-17.10	0.00	17.10	53.07	82.50	94.84	92.22	78.52	57.15
VER. INER PRESS.	-45.19	-53.94	-45.19	-25.02	-4.76	10.28	21.56	29.74	31.04
ELEV = 80.00									
HOR. DRAG PRESS.	354.28	384.06	354.28	280.91	195.73	121.88	67.98	32.82	13.22
HOR. INER PRESS.	-25.62	0.00	25.62	43.46	51.60	53.01	50.39	44.34	35.99
VER. DRAG PRESS.	-10.77	0.00	10.77	34.61	56.12	66.94	67.12	58.69	45.97
VER. INER PRESS.	-39.54	-45.72	-39.54	-24.68	-8.31	5.22	15.57	22.73	25.55

ELEV = 70.00

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A.23

HOR. DRAG PRESS.	294.77	316.30	294.77	240.10	173.35	112.93	65.87	33.66	14.52
HOR. INER PRESS.	-20.64	0.00	20.64	[illegible]	44.63	47.43	46.22	41.88	35.53
VER. DRAG PRESS.	-6.82	0.00	6.82	[illegible]	37.62	46.49	47.75	42.78	34.46
VER. INER PRESS.	-33.83	-38.26	-33.83	[illegible]	-9.77	1.83	10.96	17.28	20.23
ELEV = 60.00									
HOR. DRAG PRESS.	249.20	265.37	249.20	207.18	154.38	104.04	62.86	33.47	15.11
HOR. INER PRESS.	-17.01	0.00	17.01	30.52	38.93	42.62	42.58	39.65	34.81
VER. DRAG PRESS.	-4.27	0.00	4.27	14.36	24.72	31.36	32.90	30.12	24.86
VER. INER PRESS.	-28.31	-31.53	-28.31	-20.07	-9.88	-0.28	7.52	13.01	15.88
ELEV = 50.00									
HOR. DRAG PRESS.	214.03	226.64	214.03	180.95	138.35	95.55	59.29	32.47	15.08
HOR. INER PRESS.	-14.36	0.00	14.36	26.27	34.38	38.62	39.51	37.69	34.00
VER. DRAG PRESS.	-2.61	0.00	2.61	8.89	15.66	20.26	21.64	20.18	17.00
VER. INER PRESS.	-23.07	-25.41	-23.07	-16.96	-9.11	-1.41	5.02	9.65	12.26
ELEV = 40.00									
HOR. DRAG PRESS.	[illegible]	197.02	187.13	160.55	124.70	87.67	55.41	30.89	14.53
HOR. INER PRESS.	[illegible]	0.00	12.43	23.09	30.86	35.42	36.99	36.03	33.22
VER. DRAG PRESS.	-1.51	0.00	1.51	5.21	9.31	12.22	13.26	12.56	10.76
VER. INER PRESS.	-18.12	-19.80	-18.12	-13.66	-7.78	-1.85	3.24	6.98	9.20
ELEV = 30.00									
HOR. DRAG PRESS.	166.85	175.19	166.85	144.23	113.21	80.51	51.43	28.90	13.56
HOR. INER PRESS.	-11.06	0.00	11.06	20.79	28.24	32.98	35.04	34.71	32.54
VER. DRAG PRESS.	-0.79	0.00	0.79	2.74	4.95	6.57	7.21	6.92	6.01
VER. INER PRESS.	-13.41	-14.57	-13.41	-10.29	-6.10	-1.78	1.99	4.82	6.57
ELEV = 20.00									
HOR. DRAG PRESS.	151.33	158.64	151.33	131.37	103.68	74.12	47.45	26.60	12.27
HOR. INER PRESS.	-10.15	0.00	10.15	19.23	26.43	31.27	33.65	33.75	32.02
VER. DRAG PRESS.	-0.33	0.00	0.33	1.16	2.11	2.83	3.13	3.04	2.67
VER. INER PRESS.	-8.87	-9.60	-8.87	-6.89	-4.19	-1.37	1.13	3.03	4.22
ELEV = 10.00									
HOR. DRAG PRESS.	139.78	146.46	139.78	121.46	95.93	68.48	43.61	24.09	10.74
HOR. INER PRESS.	-9.62	0.00	9.62	18.33	25.37	30.26	32.81	33.16	31.70
VER. DRAG PRESS.	-0.08	0.00	0.08	0.28	0.52	0.70	0.77	0.76	0.67
VER. INER PRESS.	-4.43	-4.78	-4.43	-3.46	-2.14	-0.74	0.50	1.46	2.07
ELEV = 0.00									
HOR. DRAG PRESS.	10.33	10.83	10.33	8.95	7.04	4.98	3.13	1.68	0.71
HOR. INER PRESS.	-9.45	0.00	9.45	18.03	25.02	29.92	32.53	32.97	31.59
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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WAVE: CREST:81 FT. DEPTH

X = (FT.)	160.00	180.00	200.00	220.00	240.00	260.00	280.00	300.00	320.00
SURFACE = ELEVATION (FT.)	85.68	83.53	81.83	80.53	79.53	78.78	78.19	77.74	77.41
SURFACE									
HOR. DRAG PRESS.	3.46	0.45	-0.09	-1.11	-2.47	-3.76	-5.05	-6.32	-7.24
HOR. INER PRESS.	27.30	22.17	17.94	12.98	8.71	6.79	6.25	4.90	2.69
VER. DRAG PRESS.	38.18	25.33	16.37	10.01	5.89	3.52	2.16	1.24	0.62
VER. INER PRESS.	26.81	22.62	20.10	17.60	13.71	9.77	7.79	7.29	6.21
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	3.46	0.45	-0.09	-1.11	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	27.30	22.17	17.94	12.98	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	38.18	25.33	16.37	10.01	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	26.81	22.62	20.10	17.60	0.00	0.00	0.00	0.00	0.00
ELEV = 80.00									
HOR. DRAG PRESS.	4.02	0.54	-0.08	-1.10	-2.47	-3.76	-5.05	-6.32	-7.24
HOR. INER PRESS.	28.17	22.63	18.10	13.06	8.71	6.79	6.25	4.90	2.69
VER. DRAG PRESS.	33.48	23.44	15.74	9.91	5.89	3.52	2.16	1.24	0.62
VER. INER PRESS.	24.28	21.59	19.59	17.45	13.71	9.77	7.79	7.29	6.21

ELEV = 70.00

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HOR. DRAG PRESS.	4.78	0.77	-0.03	-0.98	-2.52	-4.08	-5.56	-6.91	-7.93
HOR. INER PRESS.	29.06	23.67	18.98	[illegible]37	10.42	8.00	6.67	5.14	3.25
VER. DRAG PRESS.	25.79	18.35	12.46	[illegible]00	4.90	2.98	1.81	1.04	0.54
VER. INER PRESS.	20.13	18.57	16.87	[illegible]87	12.06	9.17	7.38	6.56	5.53
ELEV = 60.00									
HOR. DRAG PRESS.	5.21	0.91	-0.02	-0.99	-2.71	-4.54	-6.27	-7.80	-9.01
HOR. INER PRESS.	29.41	24.38	19.79	15.46	11.75	9.10	7.26	5.55	3.85
VER. DRAG PRESS.	19.02	13.75	9.45	6.15	3.82	2.33	1.40	0.81	0.43
VER. INER PRESS.	16.40	15.56	14.23	12.53	10.37	8.19	6.63	5.68	4.74
ELEV = 50.00									
HOR. DRAG PRESS.	5.30	0.93	-0.02	-1.11	-3.04	-5.14	-7.13	-8.87	-10.26
HOR. INER PRESS.	29.47	24.86	20.45	16.33	12.75	9.96	7.82	5.98	4.31
VER. DRAG PRESS.	13.25	9.73	6.76	4.48	2.78	1.70	1.01	0.58	0.31
VER. INER PRESS.	13.06	12.67	11.69	10.33	8.67	7.01	5.72	4.80	4.00
ELEV = 40.00									
HOR. DRAG PRESS.	5.09	0.83	-0.06	-1.43	-3.59	-5.92	-8.16	-10.12	-11.70
HOR. INER PRESS.	29.37	25.16	20.96	17.00	13.50	10.63	8.31	6.36	4.66
VER. DRAG PRESS.	8.52	6.35	4.71	3.14	1.87	1.12	0.67	0.39	0.21
VER. INER PRESS.	10.05	9.93	9.24	8.21	6.96	5.71	4.69	3.91	3.25
ELEV = 30.00									
HOR. DRAG PRESS.	4.62	0.68	-0.16	-1.94	-4.30	-6.90	-9.41	-11.59	-13.36
HOR. INER PRESS.	29.21	25.33	21.34	17.50	14.05	11.13	8.71	6.67	4.94
VER. DRAG PRESS.	4.83	3.90	3.06	1.90	1.08	0.65	0.39	0.22	0.12
VER. INER PRESS.	7.31	7.32	6.87	6.13	5.24	4.34	3.58	2.97	2.47
ELEV = 20.00									
HOR. DRAG PRESS.	3.94	0.49	-0.41	-2.66	-5.16	-8.12	-10.89	-13.30	-15.25
HOR. INER PRESS.	29.06	25.43	21.59	17.84	14.43	11.48	8.99	6.90	5.13
VER. DRAG PRESS.	2.18	2.11	1.53	0.88	0.48	0.29	0.17	0.10	0.06
VER. INER PRESS.	4.77	4.82	4.55	4.08	3.51	2.93	2.42	2.01	1.67
ELEV = 10.00									
HOR. DRAG PRESS.	3.46	0.20	-0.84	-3.52	-6.31	-9.61	-12.66	-15.28	-17.41
HOR. INER PRESS.	28.95	25.48	21.73	18.04	14.65	11.69	9.16	7.04	5.24
VER. DRAG PRESS.	0.61	0.55	0.38	0.22	0.12	0.07	0.04	0.03	0.01
VER. INER PRESS.	2.36	2.40	2.27	2.04	1.76	1.47	1.22	1.01	0.84
ELEV = 0.00									
HOR. DRAG PRESS.	0.22	0.00	-0.12	-0.35	-0.61	-0.90	-1.16	-1.38	-1.56
HOR. INER PRESS.	28.91	25.49	21.77	18.11	14.72	11.75	9.22	7.08	5.28
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

9

WAVE: CREST:81 FT. DEPTH

**** X =	340.00	360.00	380.00	400.00
SURFACE =	77.19	77.03	76.92	76.88
SURFACE				
HOR. DRAG PRESS.	-7.73	-8.13	-8.63	-8.91
HOR. INER PRESS.	1.47	1.78	1.76	0.19
VER. DRAG PRESS.	0.30	0.14	0.05	0.00
VER. INER PRESS.	4.21	3.14	3.82	4.61
ELEV = 130.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 120.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 110.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 100.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 90.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 80.00				
HOR. DRAG PRESS.	-7.73	-8.13	-8.63	-8.91
HOR. INER PRESS.	1.47	1.78	1.76	0.19
VER. DRAG PRESS.	0.30	0.14	0.05	0.00
VER. INER PRESS.	4.21	3.14	3.82	4.61
ELEV = 70.00				
HOR. DRAG PRESS.	-8.58	-9.07	-9.52	-9.76
HOR. INER PRESS.	2.05	1.83	1.46	0.15

10

VER. DRAG PRESS.	0.26	0.12	0.04	0.00
VER. INER PRESS.	4.07	3.23	3.55	[illegible]
ELEV = 60.00				
HOR. DRAG PRESS.	-9.86	-10.49	-10.95	-11.16
HOR. INER PRESS.	2.61	1.95	1.25	0.12
VER. DRAG PRESS.	0.21	0.09	0.03	0.00
VER. INER PRESS.	3.71	3.09	3.14	3.32
ELEV = 50.00				
HOR. DRAG PRESS.	-11.29	-12.04	-12.54	-12.74
HOR. INER PRESS.	3.00	2.07	1.19	0.10
VER. DRAG PRESS.	0.16	0.07	0.02	0.00
VER. INER PRESS.	3.23	2.76	2.69	2.74
ELEV = 40.00				
HOR. DRAG PRESS.	-12.90	-13.76	-14.31	-14.52
HOR. INER PRESS.	3.29	2.20	1.18	0.10
VER. DRAG PRESS.	0.10	0.04	0.01	0.00
VER. INER PRESS.	2.68	2.31	2.20	2.20
ELEV = 30.00				
HOR. DRAG PRESS.	-14.71	-15.68	-16.28	-16.50
HOR. INER PRESS.	3.50	2.30	1.20	0.10
VER. DRAG PRESS.	0.06	0.03	0.01	0.00
VER. INER PRESS.	2.05	1.79	1.68	1.67
ELEV = 20.00				
HOR. DRAG PRESS.	-16.75	-17.82	-18.47	-18.71
HOR. INER PRESS.	3.64	2.38	1.22	0.10
VER. DRAG PRESS.	0.03	0.01	0.00	0.00
VER. INER PRESS.	1.40	1.22	1.14	1.12
ELEV = 10.00				
HOR. DRAG PRESS.	-19.04	-20.20	-20.90	-21.17
HOR. INER PRESS.	3.73	2.42	1.24	0.10
VER. DRAG PRESS.	0.01	0.00	0.00	0.00
VER. INER PRESS.	0.71	0.62	0.58	0.57
ELEV = 0.00				
HOR. DRAG PRESS.	-1.69	-1.79	-1.85	-1.87
HOR. INER PRESS.	3.76	2.44	1.25	0.10
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00

A.13

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Free Surface Effects Included

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FIELD VARIABLES FOR WAVE: CREST-85 FT. DEPTH

WAVE PARAMETERS:
HEIGHT = 60.30 FT., PERIOD = 13.60 SECS., LENGTH = 803.60 FT.
WATER DEPTH = 89.50 FT.

PILE DIAMETER: 3.00 FT., BOTTOM CURRENT = 1.30 FT./SEC., SURFACE CURRENT = 4.30 FT./SEC.

A

2.15

[illegible] 81' [illegible] Structure
with Free Surface Effects
Pressures at -20, -10, +10, & +20
from Crest

WAVE: CREST-85 FT. DEPTH

X = (FT.)	-390.00	-370.00	-350.00	-330.00	-310.00	-290.00	-270.00	-250.00	-230.00
SURFACE = ELEVATION (FT.)	76.89	76.97	77.10	77.29	77.57	77.95	78.47	79.13	79.99
SURFACE									
HOR. DRAG PRESS.	-8.82	-8.38	-7.92	-7.53	-6.84	-5.71	-4.40	-3.12	-1.79
HOR. INER PRESS.	-1.13	-1.94	-1.52	-1.66	-3.80	-5.75	-6.50	-7.44	-10.61
VER. DRAG PRESS.	-0.02	-0.09	-0.21	-0.43	-0.89	-1.66	-2.76	-4.53	-7.69
VER. INER PRESS.	4.34	3.32	3.45	5.23	6.91	7.48	8.49	11.59	15.80
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 80.00									
HOR. DRAG PRESS.	-8.82	-8.38	-7.92	-7.53	-6.84	-5.71	-4.40	-3.12	-1.79
HOR. INER PRESS.	-1.13	-1.94	-1.52	-1.85	-3.80	-5.75	-6.50	-7.44	-10.61
VER. DRAG PRESS.	-0.02	-0.09	-0.21	-0.43	-0.89	-1.66	-2.76	-4.53	-7.69
VER. INER PRESS.	4.34	3.32	3.45	5.23	6.91	7.48	8.49	11.59	15.80

FLEV = 70.00

B

HOR. DRAG PRESS.	-9.49	-9.31	-8.83	[illegible]	-7.47	-6.26	-4.83	-3.31	-1.73
HOR. INER PRESS.	-0.00	-1.75	-1.87	[illegible]	-4.19	-5.99	-7.29	-9.01	-12.24
VER. DRAG PRESS.	-0.01	-0.07	-0.18	[illegible]	-0.76	-1.39	-2.33	-3.82	-6.28
VER. INER PRESS.	3.45	3.29	3.50	[illegible]	6.13	6.92	8.10	10.54	13.55
FLEV = 60.00									
HOR. DRAG PRESS.	-11.09	-10.74	-10.19	-9.47	-8.45	-7.07	-5.43	-3.63	-1.80
HOR. INER PRESS.	-0.73	-1.65	-2.23	-3.14	-4.67	-6.42	-8.12	-10.29	-13.49
VER. DRAG PRESS.	-0.01	-0.06	-0.14	-0.30	-0.59	-1.07	-1.81	-2.98	-4.87
VER. INER PRESS.	3.26	3.05	3.31	4.21	5.24	6.12	7.31	9.23	11.49
FLEV = 50.00									
HOR. DRAG PRESS.	-12.53	-12.32	-11.70	-10.82	-9.61	-8.04	-6.16	-4.09	-2.03
HOR. INER PRESS.	-0.67	-1.65	-2.51	-3.60	-5.11	-6.88	-8.63	-11.25	-14.45
VER. DRAG PRESS.	-0.01	-0.08	-0.11	-0.22	-0.43	-0.78	-1.32	-2.18	-3.56
VER. INER PRESS.	2.72	2.68	2.94	3.60	4.40	5.23	6.30	7.81	9.53
FLEV = 40.00									
HOR. DRAG PRESS.	-13.46	-14.07	-13.37	-12.35	-10.96	-9.18	-7.07	-4.73	-2.49
HOR. INER PRESS.	-0.65	-1.69	-2.72	-3.93	-5.47	-7.30	-9.41	-11.98	-15.18
VER. DRAG PRESS.	-0.00	-0.03	-0.07	-0.15	-0.29	-0.51	-0.87	-1.44	-2.44
VER. INER PRESS.	2.20	2.23	2.46	2.94	3.57	4.27	5.16	6.32	7.60
FLEV = 30.00									
HOR. DRAG PRESS.	-15.44	-16.02	-15.24	-14.09	-12.52	-10.54	-8.19	-5.56	-3.12
HOR. INER PRESS.	-0.65	-1.75	-2.68	-4.18	-5.76	-7.65	-9.86	-12.52	-15.72
VER. DRAG PRESS.	-0.00	-0.01	-0.04	-0.09	-0.17	-0.30	-0.50	-0.83	-1.44
VER. INER PRESS.	1.67	1.72	1.90	2.25	2.71	3.26	3.94	4.78	5.70
FLEV = 20.00									
HOR. DRAG PRESS.	-18.64	-18.20	-17.34	-16.06	-14.33	-12.15	-9.54	-6.63	-3.92
HOR. INER PRESS.	-0.66	-1.79	-2.99	-4.35	-5.97	-7.90	-10.18	-12.89	-16.08
VER. DRAG PRESS.	-0.00	-0.01	-0.02	-0.04	-0.08	-0.13	-0.23	-0.37	-0.65
VER. INER PRESS.	1.13	1.17	1.30	1.52	1.83	2.20	2.66	3.21	3.80
FLEV = 10.00									
HOR. DRAG PRESS.	-21.09	-20.61	-19.68	-18.29	-16.41	-14.03	-11.18	-7.98	-4.86
HOR. INER PRESS.	-0.67	-1.82	-3.06	-4.45	-6.10	-8.06	-10.37	-13.11	-16.30
VER. DRAG PRESS.	-0.00	-0.00	-0.00	-0.01	-0.02	-0.03	-0.06	-0.09	-0.16
VER. INER PRESS.	0.57	0.59	0.66	0.77	0.92	1.11	1.34	1.62	1.91
FLEV = 0.00									
HOR. DRAG PRESS.	0.00	-1.83	-1.75	-1.63	-1.47	-1.27	-1.03	-0.76	-0.47
HOR. INER PRESS.	0.00	-1.83	-3.08	-4.49	-6.14	-8.11	-10.44	-13.18	-16.37
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

WAVE: CREST-85 FT. DEPTH

X = (FT.)	-210.00	-190.00	-170.00	-150.00	-130.00	-110.00	-90.00	-70.00	-50.00
SURFACE = ELEVATION (FT.)	81.14	82.63	84.54	86.96	90.05	93.98	98.87	104.87	112.20
SURFACE									
HOR. DRAG PRESS.	-0.50	0.03	1.53	6.61	4.62	47.51	100.52	151.01	110.79
HOR. INER PRESS.	-15.52	-20.12	-24.43	-31.12	-41.64	-53.36	-62.64	-71.16	-85.60
VER. DRAG PRESS.	-12.90	-20.47	-31.13	-46.73	-69.26	-97.19	-126.08	-152.57	-171.34
VER. INER PRESS.	18.99	21.20	24.51	29.17	31.88	29.26	22.40	15.20	5.45
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110.79
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-85.60
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-171.34
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.45
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	151.01	395.26
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-71.16	-82.45
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-152.57	-156.58
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.20	1.92
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	4.62	47.51	100.52	193.51	332.10
HOR. INER PRESS.	0.00	0.00	0.00	0.00	-41.64	-53.36	-62.64	-67.62	-69.14
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	-69.26	-97.19	-126.08	-129.17	-104.35
VER. INER PRESS.	0.00	0.00	0.00	0.00	31.88	29.26	22.40	10.54	-9.04
ELEV = 90.00									
HOR. DRAG PRESS.	-0.50	0.03	1.53	6.61	19.01	47.06	96.48	172.51	274.46
HOR. INER PRESS.	-15.52	-20.12	-24.43	-31.12	-41.63	-51.65	-57.55	-60.06	-57.85
VER. DRAG PRESS.	-12.90	-20.47	-31.13	-46.73	-69.17	-86.50	-95.00	-90.84	-69.69
VER. INER PRESS.	18.99	21.20	24.51	29.17	31.83	26.17	16.25	3.40	-14.35
ELEV = 80.00									
HOR. DRAG PRESS.	-1.48	0.04	1.78	7.65	21.38	48.19	92.51	156.52	237.98
HOR. INER PRESS.	-15.64	-20.33	-25.14	-31.84	-40.30	-47.78	-52.14	-52.91	-48.61
VER. DRAG PRESS.	-12.60	-19.34	-28.13	-39.48	-52.56	-63.74	-68.31	-62.98	-46.42
VER. INER PRESS.	18.67	20.50	22.92	25.30	24.73	19.61	10.76	-1.11	-16.29

ELEV = 70.00

HOR. DRAG PRESS.	-0.37	0.10	2.24	8.73	22.67	47.95	87.55	141.63	206.94
HOR. INER PRESS.	-16.66	-21.29	-26.22	[illegible]	-38.85	-44.39	-47.26	-46.61	-41.21
VER. DRAG PRESS.	[illegible]	-15.22	-21.88	[illegible]	-38.84	-45.88	-48.04	-42.98	-30.62
VER. INER PRESS.	15.96	17.72	19.42	[illegible]	19.19	14.51	6.72	-3.69	-16.25
ELEV = 60.00									
HOR. DRAG PRESS.	-0.35	0.15	2.51	9.29	23.04	46.64	82.04	128.40	180.96
HOR. INER PRESS.	-17.58	-22.05	-25.83	-32.11	-37.39	-41.43	-43.01	-41.30	-35.37
VER. DRAG PRESS.	-7.67	-11.47	-16.27	-21.92	-27.65	-31.95	-32.76	-28.66	-19.80
VER. INER PRESS.	13.44	14.94	16.03	16.38	14.78	10.58	3.88	-4.90	-15.03
ELEV = 50.00									
HOR. DRAG PRESS.	-0.39	0.14	2.57	9.38	22.69	44.65	76.34	116.46	160.25
HOR. INER PRESS.	-18.34	-22.63	-27.14	-31.78	-36.02	-38.89	-39.44	-36.96	-30.83
VER. DRAG PRESS.	-5.51	-8.16	-11.43	-15.13	-18.72	-21.21	-21.35	-18.34	-12.42
VER. INER PRESS.	11.06	12.23	12.97	12.85	11.21	7.58	2.00	-5.16	-13.12
ELEV = 40.00									
HOR. DRAG PRESS.	-0.56	0.10	2.43	9.05	21.75	42.11	70.69	105.89	143.25
HOR. INER PRESS.	-18.94	-23.04	-27.28	-31.38	-34.81	-36.79	-36.56	-33.53	-27.37
VER. DRAG PRESS.	-3.92	-5.42	-7.41	-9.66	-11.75	-13.09	-12.98	-10.98	-7.32
VER. INER PRESS.	8.76	9.63	10.08	9.78	8.28	5.29	0.84	-4.75	-10.81
ELEV = 30.00									
HOR. DRAG PRESS.	-0.88	0.04	2.10	8.38	20.36	39.25	65.28	96.69	129.34
HOR. INER PRESS.	-19.38	-23.33	-27.31	-30.98	-33.81	-35.14	-34.33	-30.96	-24.84
VER. DRAG PRESS.	-2.47	-3.56	-4.24	-5.44	-6.52	-7.16	-7.02	-5.87	-3.87
VER. INER PRESS.	6.53	7.14	7.39	7.05	5.83	3.54	0.21	-3.91	-8.27
ELEV = 20.00									
HOR. DRAG PRESS.	-1.44	0.00	1.84	7.43	18.63	36.22	60.20	88.80	118.12
HOR. INER PRESS.	-19.68	-23.51	-27.30	-30.66	-33.08	-33.96	-32.76	-29.16	-23.11
VER. DRAG PRESS.	-1.20	-1.84	-2.14	-2.43	-2.88	-3.13	-3.04	-2.52	-1.65
VER. INER PRESS.	4.34	4.72	4.85	4.57	3.71	2.16	-0.06	-2.76	-5.59
ELEV = 10.00									
HOR. DRAG PRESS.	-2.21	-0.07	1.47	6.27	16.65	33.10	55.50	82.13	109.27
HOR. INER PRESS.	-19.86	-23.61	-27.27	-30.45	-32.63	-33.24	-31.82	-28.10	-22.10
VER. DRAG PRESS.	-0.31	-0.46	-0.64	-0.61	-0.72	-0.78	-0.75	-0.62	-0.40
VER. INER PRESS.	2.17	2.35	2.41	2.25	1.81	1.02	-0.09	-1.43	-2.82
ELEV = 0.00									
HOR. DRAG PRESS.	-3.24	-0.03	0.06	0.40	1.14	2.35	4.01	6.01	8.04
HOR. INER PRESS.	-19.92	-23.65	-27.26	-30.38	-32.47	-33.00	-31.51	-27.75	-21.76
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

E

WAVE: CREST-85 FT. DEPTH

**** X = (FT.)	-30.00	-10.00	10.00	30.00	50.00	70.00	90.00	110.00	130.00
SURFACE = ELEVATION (FT.)	121.43	133.10	133.10	121.43	112.20	104.87	98.87	93.98	90.05
SURFACE									
HOR. DRAG PRESS.	170.19	363.01	363.01	170.19	110.79	151.01	100.52	47.51	4.62
HOR. INER PRESS.	-101.20	-68.51	68.51	101.20	85.60	71.16	62.64	53.36	41.64
VER. DRAG PRESS.	-158.84	-52.17	52.17	158.84	171.34	152.57	126.08	97.19	69.26
VER. INER PRESS.	-19.43	-53.40	-53.40	-19.43	5.45	15.20	22.40	29.26	31.88
ELEV = 130.00									
HOR. DRAG PRESS.	170.19	618.41	618.41	170.19	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-101.20	-61.11	61.11	101.20	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-158.84	-42.25	42.25	158.84	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	-19.43	-61.02	-61.02	-19.43	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	459.22	892.97	892.97	459.22	110.79	0.00	0.00	0.00	0.00
HOR. INER PRESS.	-97.18	-42.81	42.81	97.18	85.60	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	-147.15	-22.42	22.42	147.15	171.34	0.00	0.00	0.00	0.00
VER. INER PRESS.	-22.25	-69.40	-69.40	-22.25	5.45	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	708.52	946.62	946.62	708.52	395.26	151.01	0.00	0.00	0.00
HOR. INER PRESS.	-73.74	-30.74	30.74	73.74	82.45	71.16	0.00	0.00	0.00
VER. DRAG PRESS.	-88.15	-12.65	12.65	88.15	156.58	152.57	0.00	0.00	0.00
VER. INER PRESS.	-33.88	-66.25	-66.25	-33.88	1.92	15.20	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	492.49	592.56	592.56	492.49	332.10	193.51	100.52	47.51	4.62
HOR. INER PRESS.	-56.88	-22.68	22.68	56.88	69.14	67.62	62.64	53.36	41.64
VER. DRAG PRESS.	-54.55	-7.46	7.46	54.55	104.35	129.17	126.08	97.19	69.26
VER. INER PRESS.	-36.89	-59.37	-59.37	-36.89	-9.04	10.54	22.40	29.26	31.88
ELEV = 90.00									
HOR. DRAG PRESS.	386.17	464.59	464.59	386.17	274.48	172.51	98.48	47.06	19.01
HOR. INER PRESS.	-48.70	-17.20	17.20	48.70	57.85	62.26	57.55	51.65	41.63
VER. DRAG PRESS.	-34.50	-4.57	4.57	34.50	69.69	90.84	95.00	86.50	69.17
VER. INER PRESS.	-35.79	-51.64	-51.64	-35.79	-14.35	3.40	16.25	26.17	31.83
ELEV = 80.00									
HOR. DRAG PRESS.	321.08	376.32	376.32	321.08	237.98	156.52	92.51	48.19	21.38
HOR. INER PRESS.	-35.80	-13.39	13.39	35.80	48.61	52.91	52.14	47.78	40.30
VER. DRAG PRESS.	-22.07	-2.85	2.85	22.07	46.42	62.98	68.31	63.74	52.56
VER. INER PRESS.	-32.74	-44.11	-44.11	-32.74	-16.29	-1.11	10.76	19.61	24.73

F

ELEV = 70.00

HOR. DRAG PRESS.	270.33	310.74	310.74	270.33	206.94	141.63	87.55	47.95	22.67
HOR. INER PRESS.	-25.24	-10.69	10.69	[illegible]	41.21	46.61	47.26	44.39	38.85
VER. DRAG PRESS.	-14.13	-1.79	1.79	[illegible]	30.62	42.98	48.04	45.88	38.84
VER. INER PRESS.	-25.25	-37.11	-37.11	[illegible]	-16.25	-3.69	6.72	14.51	19.19
ELEV = 60.00									
HOR. DRAG PRESS.	230.59	261.21	261.21	230.59	180.96	128.40	82.04	46.68	23.04
HOR. INER PRESS.	-24.36	-8.76	8.76	24.36	35.37	41.30	43.01	41.43	37.39
VER. DRAG PRESS.	-8.93	-1.12	1.12	8.93	19.80	28.66	32.76	31.95	27.65
VER. INER PRESS.	-24.64	-30.70	-30.70	-24.64	-15.03	-4.90	3.88	10.58	14.78
ELEV = 50.00									
HOR. DRAG PRESS.	199.37	223.41	223.41	199.37	160.25	116.46	76.34	44.65	22.69
HOR. INER PRESS.	-20.74	-7.35	7.35	20.74	30.83	36.96	39.44	38.89	36.02
VER. DRAG PRESS.	-5.46	-0.68	0.68	5.46	12.42	18.34	21.35	21.21	18.72
VER. INER PRESS.	-20.37	-24.81	-24.81	-20.37	-13.12	-5.16	2.00	7.58	11.21
ELEV = 40.00									
HOR. DRAG PRESS.	175.52	194.50	194.50	175.52	143.25	105.89	70.69	42.11	21.75
HOR. INER PRESS.	-18.07	-6.34	6.34	18.07	27.37	33.53	36.56	36.79	34.81
VER. DRAG PRESS.	-3.19	-0.39	0.39	3.19	7.32	10.98	12.98	13.09	11.75
VER. INER PRESS.	-16.17	-19.37	-19.37	-16.17	-10.81	-4.75	0.84	5.29	8.28
ELEV = 30.00									
HOR. DRAG PRESS.	157.01	173.06	173.06	157.01	129.34	96.69	65.28	39.25	20.36
HOR. INER PRESS.	-16.17	-5.62	5.62	16.17	24.84	30.96	34.33	35.14	33.81
VER. DRAG PRESS.	-1.67	-0.20	0.20	1.67	3.87	5.87	7.02	7.16	6.52
VER. INER PRESS.	-12.05	-14.27	-14.27	-12.05	-8.27	-3.91	0.21	3.54	5.83
ELEV = 20.00									
HOR. DRAG PRESS.	142.67	156.78	156.78	142.67	118.12	88.80	60.20	36.22	18.63
HOR. INER PRESS.	-14.88	-5.14	5.14	14.88	23.11	29.16	32.76	33.96	33.08
VER. DRAG PRESS.	-0.71	-0.09	0.09	0.71	1.65	2.52	3.04	3.13	2.88
VER. INER PRESS.	-8.01	-9.41	-9.41	-8.01	-5.59	-2.76	-0.06	2.16	3.71
ELEV = 10.00									
HOR. DRAG PRESS.	131.85	144.76	144.76	131.85	109.27	82.13	55.50	33.10	16.65
HOR. INER PRESS.	-14.14	-4.87	4.87	14.14	22.10	28.10	31.82	33.24	32.63
VER. DRAG PRESS.	-0.17	-0.02	0.02	0.17	0.40	0.62	0.75	0.78	0.72
VER. INER PRESS.	-4.01	-4.69	-4.69	-4.01	-2.82	-1.43	-0.09	1.02	1.81
ELEV = 0.00									
HOR. DRAG PRESS.	9.73	10.70	10.70	9.73	8.04	6.01	4.01	2.35	1.14
HOR. INER PRESS.	-13.90	-4.78	4.78	13.90	21.76	27.75	31.51	33.00	32.47
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

G

A.21

WAVE: CREST-55 FT. DEPTH

**** X = (FT.)	150.00	170.00	190.00	210.00	230.00	250.00	270.00	290.00	310.00
SURFACE = ELEVATION (FT.)	86.96	84.54	82.63	81.14	79.99	79.13	78.47	77.95	77.57
SURFACE									
HOR. DRAG PRESS.	6.61	1.53	0.03	-0.50	-1.79	-3.12	-4.40	-5.71	-6.84
HOR. INER PRESS.	31.12	24.43	20.12	15.52	10.61	7.44	6.50	5.75	3.80
VER. DRAG PRESS.	46.78	31.13	20.47	12.90	7.69	4.53	2.76	1.66	0.89
VER. INER PRESS.	29.17	24.51	21.20	18.99	15.80	11.59	8.49	7.48	6.91
ELEV = 130.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 120.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 110.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 100.00									
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ELEV = 90.00									
HOR. DRAG PRESS.	6.61	1.53	0.03	-0.50	0.00	0.00	0.00	0.00	0.00
HOR. INER PRESS.	31.12	24.43	20.12	15.52	0.00	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	46.78	31.13	20.47	12.90	0.00	0.00	0.00	0.00	0.00
VER. INER PRESS.	29.17	24.51	21.20	18.99	0.00	0.00	0.00	0.00	0.00
ELEV = 80.00									
HOR. DRAG PRESS.	7.65	1.78	0.04	-0.48	-1.79	-3.12	-4.40	-5.71	-6.84
HOR. INER PRESS.	31.84	25.14	20.38	15.64	10.61	7.44	6.50	5.75	3.80
VER. DRAG PRESS.	39.48	28.13	19.34	12.60	7.69	4.53	2.76	1.66	0.89
VER. INER PRESS.	25.30	22.92	20.50	18.67	15.80	11.59	8.49	7.48	6.91

ELEV = 70.00

H

A.22

HOR. DRAG PRESS.	8.73	2.24	0.10	-0.37	-1.73	-3.31	-4.83	-6.26	-7.47
HOR. INFR PRESS.	32.20	26.22	21.29	[illegible]	12.24	9.01	7.29	5.99	4.19
VER. DRAG PRESS.	30.04	21.44	15.22	[illegible]	6.28	3.82	2.33	1.39	0.76
VER. INFR PRESS.	25.48	19.42	17.72	[illegible]	13.55	10.54	8.10	6.92	6.13
FLEV = 60.00									
HOR. DRAG PRESS.	9.29	2.51	0.15	-0.35	-1.80	-3.63	-5.43	-7.07	-8.45
HOR. INFR PRESS.	32.11	26.33	22.05	17.58	13.49	10.29	8.12	6.42	4.67
VER. DRAG PRESS.	21.92	16.27	11.47	7.67	4.87	2.98	1.81	1.07	0.59
VER. INFR PRESS.	16.38	16.08	14.94	13.44	11.49	9.23	7.31	6.12	5.24
FLEV = 50.00									
HOR. DRAG PRESS.	9.38	2.57	0.14	-0.39	-2.03	-4.09	-6.16	-8.04	-9.61
HOR. INFR PRESS.	31.78	27.14	22.63	18.34	14.45	11.25	8.83	6.88	5.11
VER. DRAG PRESS.	15.13	11.43	8.16	5.51	3.56	2.18	1.32	0.78	0.43
VER. INFR PRESS.	12.95	12.27	12.23	11.06	9.53	7.81	6.30	5.23	4.40
FLEV = 40.00									
HOR. DRAG PRESS.	9.05	2.43	0.10	-0.56	-2.49	-4.73	-7.07	-9.18	-10.96
HOR. INFR PRESS.	31.38	27.28	23.04	18.94	15.18	11.98	9.41	7.30	5.47
VER. DRAG PRESS.	9.66	7.41	5.42	3.92	2.44	1.44	0.87	0.51	0.29
VER. INFR PRESS.	9.78	10.08	9.63	8.76	7.60	6.32	5.16	4.27	3.57
FLEV = 30.00									
HOR. DRAG PRESS.	8.38	2.10	0.04	-0.88	-3.12	-5.56	-8.19	-10.54	-12.52
HOR. INFR PRESS.	30.98	27.31	23.33	19.38	15.72	12.52	9.86	7.65	5.76
VER. DRAG PRESS.	5.44	4.24	3.56	2.47	1.44	0.83	0.50	0.30	0.17
VER. INFR PRESS.	7.05	7.39	7.14	6.53	5.70	4.78	3.94	3.26	2.71
FLEV = 20.00									
HOR. DRAG PRESS.	7.43	1.84	0.00	-1.44	-3.92	-6.63	-9.54	-12.15	-14.33
HOR. INFR PRESS.	30.66	27.30	23.51	19.68	16.08	12.89	10.18	7.90	5.97
VER. DRAG PRESS.	2.43	2.14	1.84	1.20	0.65	0.37	0.23	0.13	0.08
VER. INFR PRESS.	4.57	4.45	4.72	4.34	3.80	3.21	2.66	2.20	1.83
FLEV = 10.00									
HOR. DRAG PRESS.	6.27	1.47	-0.07	-2.21	-4.86	-7.98	-11.18	-14.03	-16.41
HOR. INFR PRESS.	30.45	27.27	23.61	19.86	16.30	13.11	10.37	8.06	6.10
VER. DRAG PRESS.	0.61	0.69	0.46	0.31	0.16	0.09	0.06	0.03	0.02
VER. INFR PRESS.	2.25	2.41	2.35	2.17	1.91	1.62	1.34	1.11	0.92
FLEV = 0.00									
HOR. DRAG PRESS.	0.40	0.06	-0.03	-0.24	-0.47	-0.76	-1.03	-1.27	-1.47
HOR. INFR PRESS.	30.38	27.26	23.65	19.92	16.37	13.18	10.44	8.11	6.14
VER. DRAG PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VER. INFR PRESS.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

I

WAVE: CREST-85 FT. DEPTH

**** X =	330.00	350.00	370.00	390.00
SURFACE =	77.29	77.10	76.97	76.89
SURFACE				
HOR. DRAG PRESS.	-7.53	-7.92	-8.38	-8.82
HOR. INER PRESS.	1.86	1.52	1.94	1.13
VER. DRAG PRESS.	0.43	0.21	0.09	0.02
VER. INER PRESS.	5.23	3.45	3.32	4.34
ELEV = 130.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 120.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 110.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 100.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 90.00				
HOR. DRAG PRESS.	0.00	0.00	0.00	0.00
HOR. INER PRESS.	0.00	0.00	0.00	0.00
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00
ELEV = 80.00				
HOR. DRAG PRESS.	-7.53	-7.92	-8.38	-8.82
HOR. INER PRESS.	1.86	1.52	1.94	1.13
VER. DRAG PRESS.	0.43	0.21	0.09	0.02
VER. INER PRESS.	5.23	3.45	3.32	4.34
ELEV = 70.00				
HOR. DRAG PRESS.	-8.29	-8.83	-9.31	-9.69
HOR. INER PRESS.	2.51	1.87	1.75	0.90

VER. DRAG PRESS.	0.36	0.16	0.07	0.01
VER. INER PRESS.	4.40	3.50	3.29	[illegible]

ELEV = 60.00				
HOR. DRAG PRESS.	-9.47	-10.19	-10.74	-11.09
HOR. INER PRESS.	3.14	2.23	1.65	0.73
VER. DRAG PRESS.	0.30	0.14	0.06	0.01
VER. INER PRESS.	4.21	3.31	3.05	3.26

ELEV = 50.00				
HOR. DRAG PRESS.	-10.82	-11.70	-12.32	-12.68
HOR. INER PRESS.	3.60	2.51	1.65	0.67
VER. DRAG PRESS.	0.22	0.11	0.04	0.01
VER. INER PRESS.	3.60	2.94	2.68	2.72

ELEV = 40.00				
HOR. DRAG PRESS.	-12.35	-13.37	-14.07	-14.46
HOR. INER PRESS.	3.93	2.72	1.69	0.65
VER. DRAG PRESS.	0.15	0.07	0.03	0.00
VER. INER PRESS.	2.94	2.46	2.23	2.20

ELEV = 30.00				
HOR. DRAG PRESS.	-14.09	-15.24	-16.02	-16.44
HOR. INER PRESS.	4.18	2.85	1.75	0.65
VER. DRAG PRESS.	0.09	0.04	0.01	0.00
VER. INER PRESS.	2.25	1.90	1.72	1.67

ELEV = 20.00				
HOR. DRAG PRESS.	-16.06	-17.34	-18.20	-18.64
HOR. INER PRESS.	4.35	2.99	1.79	0.66
VER. DRAG PRESS.	0.04	0.02	0.01	0.00
VER. INER PRESS.	1.52	1.30	1.17	1.13

ELEV = 10.00				
HOR. DRAG PRESS.	-18.29	-19.68	-20.61	-21.09
HOR. INER PRESS.	4.45	3.06	1.82	0.67
VER. DRAG PRESS.	0.01	0.00	0.00	0.00
VER. INER PRESS.	0.77	0.66	0.59	0.57

ELEV = 0.00				
HOR. DRAG PRESS.	-1.63	-1.75	-1.83	-1.87
HOR. INER PRESS.	4.49	3.08	1.83	0.67
VER. DRAG PRESS.	0.00	0.00	0.00	0.00
VER. INER PRESS.	0.00	0.00	0.00	0.00

K

A.25

A.26

APPENDIX B.1

SEALOAD - 50 Year Storm - Crest

6000 REMOTE BATCH

SEZ/ORD

UNITED COMPUTING 67. APEX/SL R.7.0

13.35.53.   08/30/76.

```
PPPPPPPPPPP  UU          UU  YY          YY  ZZZZZZZZZZZZ    UUUUUU  U  TTTTTTTTTTTT  MM          MM
PPPPPPPPPPPP UU          UU  YY          YY  ZZZZZZZZZZZZ   UUUUUUUUU   TTTTTTTTTTTT  MMM        MMM
PP        PP UU          UU  YY          YY  Z          ZZ  UU        UU      TT      MMMM      MMMM
PP        PP UU          UU  YY          YY            ZZ   UU       U UU     TT      MM MM    MM MM
PP        PP UU          UU  YY          YY           ZZ    UU      U  UU     TT      MM  MMMM   MM
PP        PP UU          UU  YY          YY          ZZ     UU     U   UU     TT      MM   MM    MM
PPPPPPPPPPPP UU          UU  YYY        YYY         ZZ      UU    U    UU     TT      MM         MM
PPPPPPPPPPP  UU          UU   YYY      YYY      ZZZZZZZZ    UU   U     UU     TT      MM         MM
PP           UU          UU     YYY  YYY          ZZ        UU   U     UU     TT      MM         MM
PP           UU          UU       YYYY           ZZ         UU   U     UU     TT      MM         MM
PP           UU          UU        YY           ZZ          UU  U      UU     TT      MM         MM
PP           UU          UU        YY          ZZ           UU U       UU     TT      MM         MM
PP           UU          UU        YY         ZZ            UU U       UU     TT      MM         MM
PP           UU          UU        YY        ZZ          Z  UUU       UU      TT      MM         MM
PP           UUUUUUUUUUUUU         YY        ZZZZZZZZZZZZ   UUUUUUUUU         TT      MM         MM
PP            UUUUUUUUUU           YY        ZZZZZZZZZZZZ  U  UUUUUU          TT      MM         MM
```

S Y N E R C O M   T E C H N O L O G Y   U S E R   B U L L E T I N

STRAN BULLETIN #5
*** ENDLOAD ***

THE METHOD FOR CALCULATING THE MOMENTS, SHEARS, AND AXIAL FORCES AT THE EXTREME ENDS OF A MEMBER HAS BEEN MODIFIED TO CORRECTLY INCLUDE CONCENTRATED LOADS OR MOMENTS APPLIED AT THE ENDS OF THE MEMBER. THIS TECHNIQUE IS BELIEVED TO GIVE THE TRUE EVALUATION OF THE ACTIONS AT THE ENDS OF A MEMBER DUE TO JOINT LOADS APPLIED AS MEMBER END LOADS. THEREFORE, FOR ANY MEMBER HAVING END LOADS--

1. ALL MEMBER STRESS REPORTS MAY BE EFFECTED.
2. SHEAR STRESSES WILL CHANGE WHERE CONCENTRATED LOADS ARE APPLIED AT THE MEMBER END.
3. BENDING OR TORSIONAL STRESSES WILL CHANGE WHERE MOMENT LOADS ARE APPLIED AT THE MEMBER END.
4. STRESSES OTHER THAN AT THE END WHERE THE LOAD IS APPLIED WILL NOT CHANGE.
5. MEMBERS WITHOUT END LOADS WILL NOT CHANGE.
6. THE MEMBER FORCES AND MOMENTS REPORT DOES NOT CHANGE.

HAVE YOU READ BULLETIN NO.4 REGARDING THE NEW ALLOWABLE STRESS AND UNITY CHECK FEATURES.

NOTE - IF YOU DO NOT HAVE ALL OF THE BULLETINS, YOU MAY OBTAIN A COPY BY SUBMITTING A RUN WITH THE FOLLOWING CONTROL CARDS:

```
GET,MARCBUL.
COPYSBF,MARCBUL.
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*********************************************************
*                                                       *
*                     SEALOAD-2                         *
*                                                       *
*      DEVELOPED BY SYNERCOM TECHNOLOGY, INC.           *
*                HOUSTON, TEXAS                         *
*              RELEASE 2  MOD 13                        *
*                   AUG 1976                            *
*                                                       *
*********************************************************

                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

      1  COEF     1075  1.0   0.0   1.0
      2           1200  1.0   0.0   1.0
      3           1400  1.0   0.0   1.0
      4           1600  1.0   0.0   1.0
      5           1757  1.0   0.0   0.257
      6           2000  1.0   0.0   1.0
      7           2033  1.0   0.0   0.297
      8           2400  1.0   0.0   1.0
      9           2481  1.0   0.0   0.363
     10           2660  1.0   0.0   0.246
     11           2757  1.0   0.0   0.403
     12           3000  1.0   0.0   1.0
     13           3032  1.0   0.0   0.443
     14           3600  1.0   0.0   1.0
     15           4000  1.0   0.0   1.0
     16           4750  1.0   0.0   1.0
     17           4800  1.0   0.0   1.0
     18           6546  1.0   0.0   0.957
     19           6821  1.0   0.0   0.998
     20  END
     21  U.S.NAVY 3-PILE ACMN STRUCTURE-- 81 FT. MLW -- ATKINSON - AUGUST  1976
     22   TEST WAVE WITH FREE SURFACE EFFECTS INCLUDED  RUN NO. 4
     23  STRAN    1 90  20 2010 11  2270  20 2010 11 OF 11    0  3                  10 5
     24  STRAN    4 60  20 2010 11  5240  20 2010 11
     25  END
     26  GRID       6   13              FULL VERT
     27  XSPC      0   10   20   30  774  784  794  804
     28  YSPC   130  120  110  100   90   80   70   60   40   20   10    0
     29  YSHF    1372 1331 127  1214 1214 127  1331 1372
     30  SUM    537  363  358  170  170  358  363  537
     31    130  784  618                      618  784
     32    120 1040  893  665  459  459  665  893 1040
     33    110  948  947  861  709  709  861  947  948
     34    100  605  593  555  492  492  555  593  605
     35     90  476  465  433  386  386  433  465  476
     36     80  384  376  354  321  321  354  376  384
     37     70  316  311  295  270  270  295  311  316
     38     60  265  261  249  230  230  249  261  265
     39     40  197  195  187  176  176  187  195  197
     40     20  159  157  151  143  143  151  157  159
     41     10  146  145  140  132  132  140  145  146
     42      0   11   11   10   10   10   10   11   11
```

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           1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   43   SURF     0   69   97  101 -101  -97  -69    0
   44   150      0   61                       -61    0
   45   120      0   43   77   97  -97  -77  -43    0
   46   110      0   31   56   74  -74  -56  -31    0
   47   100      0   23   42   57  -57  -42  -23    0
   48    90      0   17   33   45  -45  -33  -17    0
   49    80      0   13   26   36  -36  -26  -13    0
   50    70      0   11   21   29  -29  -21  -11    0
   51    60      0    9   17   24  -24  -17   -9    0
   52    40      0    6   12   18  -18  -12   -6    0
   53    20      0    5   10   15  -15  -10   -5    0
   54    10      0    5    9   14  -14   -9   -5    0
   55     0      0    5    9   14  -14   -9   -5    0
   56   SURF     0   52  120  159 -159 -120  -52    0
   57   150      0   42                       -42    0
   58   120      0   22   79  147 -147  -79  -22    0
   59   110      0   13   46   88  -88  -46  -13    0
   60   100      0    7   28   55  -55  -28   -7    0
   61    90      0    5   17   35  -35  -17   -5    0
   62    80      0    3   11   22  -22  -11   -3    0
   63    70      0    2    7   14  -14   -7   -2    0
   64    60      0    1    4    9   -9   -4   -1    0
   65    40      0   04   15    3   -3  -15  -04    0
   66    20      0   01   03   07  -07  -03  -01    0
   67    10      0   00   01   02  -02  -01  -00    0
   68     0      0    0    0    0   -0   -0   -0    0
   69   SURF   -53  -53  -39  -19  -19  -39  -53  -53
   70   150    -73  -61                       -61  -73
   71   120    -77  -69  -49  -22  -22  -49  -69  -77
   72   110    -71  -66  -53  -34  -34  -53  -66  -71
   73   100    -63  -59  -50  -37  -37  -50  -59  -63
   74    90    -54  -52  -45  -36  -36  -45  -52  -54
   75    80    -46  -44  -40  -33  -33  -40  -44  -46
   76    70    -38  -37  -34  -29  -29  -34  -37  -38
   77    60    -32  -31  -28  -25  -25  -28  -31  -32
   78    40    -20  -19  -18  -16  -16  -18  -19  -20
   79    20    -10   -9   -9   -8   -8   -9   -9  -10
   80    10     -5   -5   -4   -4   -4   -4   -5   -5
   81     0      0    0    0    0    0    0    0    0
   82   FIND   1   290  361  148  97.5 145  1.5  ALL
   83   END
```

**** C O E F F I C I E N T   T A B L E   R E P O R T ****

DIAMETER IN	NORMAL DRAG COEF	TANG DRAG COEF	MASS COEF
10.750	1.0000	0.0000	1.0000
12.000	1.0000	0.0000	1.0000
14.000	1.0000	0.0000	1.0000
16.030	1.0000	0.0000	1.0000
17.570	1.0000	0.0000	.2570
20.000	1.0000	0.0000	1.0000
20.330	1.0000	0.0000	.2970
24.000	1.0000	0.0000	1.0000
24.610	1.0000	0.0000	.3630
26.000	1.0000	0.0000	.2460
27.570	1.0000	0.0000	.4030
30.000	1.0000	0.0000	1.0000
30.320	1.0000	0.0000	.4430
36.000	1.0000	0.0000	1.0000
40.000	1.0000	0.0000	1.0000
47.500	1.0000	0.0000	.0000
48.000	1.0000	0.0000	1.0000
65.450	1.0000	0.0000	.9570
66.210	1.0000	0.0000	.9980

```
U.S.NAVY 3-PILE ACHR STRUCTURE-- 81 FT. MLW -- ATKINSON - AUGUST  1976

TEST WAVE WITH FREE SURFACE EFFECTS INCLUDED  RUN NO. 4
INPUT UNITS
     ....ENGLISH
OUTPUT UNITS
     ....ENGLISH
```

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 1

WAVE ANGLE = 90.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG.,WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-20.0	8.96	9.0	1254.0	1254.0	-96905.	1057.	96911.	-42.7
2	-10.0	4.48	17.1	1269.5	1269.6	-102453.	2106.	102454.	-69.0
3	0.0	-0.00	10.8	1145.6	1145.7	-91719.	1303.	91729.	-74.4
4	10.0	-4.48	-.0	949.5	949.5	-74125.	-101.	74125.	-68.5
5	20.0	-8.96	.5	760.9	760.9	-56907.	-59.	56907.	-56.2

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 1 WAVE DIRECTION = 90.000

X SHEAR FORCE =	17.1302 KIPS
Y SHEAR FORCE =	1269.5241 KIPS
RESULTANT SHEAR FORCE =	1269.6397 KIPS
X MUDLINE MOMENT =	-102432.5916 FT-KIPS
Y MUDLINE MOMENT =	2106.4435 FT-KIPS
RESULTANT MUDLINE MOMENT =	102454.2480 FT-KIPS
Z VERTICAL FORCE =	-69.0446 KIPS

*** * * * WAVE POSITION SUMMARY REPORT * * * ***

LOAD CONDITION 2 WAVE ANGLE = 270.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG.,WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-20.0	6.96	4.4	-1171.4	1171.4	86579.	563.	86581.	-28.6
2	-10.0	4.48	2.6	-1222.4	1222.4	95178.	296.	95179.	-42.0
3	0.0	-0.00	-4.2	-1205.9	1205.9	97493.	-620.	97495.	-57.9
4	10.0	-4.48	-.7	-1104.6	1104.6	89698.	-166.	89698.	-65.7
5	20.0	-6.96	4.7	-917.8	917.8	71068.	527.	71070.	-68.0

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 2   WAVE DIRECTION =270.000

X SHEAR FORCE =	-4.1986 KIPS
Y SHEAR FORCE =	-1205.9373 KIPS
RESULTANT SHEAR FORCE =	1205.9446 KIPS
X MUDLINE MOMENT =	97493.3265 FT-KIPS
Y MUDLINE MOMENT =	-620.0007 FT-KIPS
RESULTANT MUDLINE MOMENT =	97495.2980 FT-KIPS
Z VERTICAL FORCE =	-57.9278 KIPS

**** D E A D   L O A D   R E P O R T ****

LOAD CONDITION   3   MEAN WATER DEPTH = 129.300 FT

STRUCTURE DEAD LOAD =   -196.0984 KIPS

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 4

WAVE ANGLE = 60.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG. WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-20.0	6.96	587.2	1072.9	1213.6	-82302.	41859.	92335.	-55.1
2	-10.0	4.48	586.3	1080.8	1229.6	-85928.	45644.	97299.	-78.4
3	0.0	-0.02	575.5	1015.9	1167.6	-82195.	46650.	94511.	-92.2
4	10.0	-4.48	502.2	861.5	997.2	-68237.	40280.	79239.	-87.1
5	20.0	-6.96	410.9	703.0	814.2	-52890.	31249.	61432.	-72.8

**** LOAD SUMMARY REPORT ****

WAVE NUMBER = 4 WAVE DIRECTION = 60.000

X SHEAR FORCE = 586.3057 KIPS

Y SHEAR FORCE = 1060.7772 KIPS

RESULTANT SHEAR FORCE = 1229.5665 KIPS

X MUDLINE MOMENT = -85928.1041 FT-KIPS

Y MUDLINE MOMENT = 45644.3235 FT-KIPS

RESULTANT MUDLINE MOMENT = 97298.7325 FT-KIPS

Z VERTICAL FORCE = -78.4349 KIPS

**** WAVE POSITION SUMMARY REPORT ****

LOAD CONDITION 5 — WAVE ANGLE = 240.00

TRIAL NO.	DIST. TO CREST FT	PHASE ANG.WAVE-TO-STRUC. (DEG)	SHEAR KIPS X	SHEAR KIPS Y	SHEAR KIPS RSLNT	MUDLINE MOMENT FT-KIPS X	MUDLINE MOMENT FT-KIPS Y	MUDLINE MOMENT FT-KIPS RSLNT	VERTICAL FORCE KIPS Z
1	-20.0	6.96	-590.5	-1039.3	1195.3	78159.	-44832.	90104.	-15.4
2	-10.0	4.48	-610.3	-1071.1	1232.7	84313.	-48631.	97433.	-32.3
3	0.0	-0.00	-562.1	-1042.0	1184.0	84400.	-45117.	95703.	-43.2
4	10.0	-4.48	-466.5	-918.0	1029.8	73649.	-36020.	81985.	-45.8
5	20.0	-6.96	-381.8	-769.7	859.2	59514.	-28026.	65782.	-49.9

**** L O A D   S U M M A R Y   R E P O R T ****

WAVE NUMBER = 5 WAVE DIRECTION =240.000

X SHEAR FORCE =	-610.2811 KIPS
Y SHEAR FORCE =	-1071.0628 KIPS
RESULTANT SHEAR FORCE =	1232.7281 KIPS
X MUDLINE MOMENT =	84312.8692 FT-KIPS
Y MUDLINE MOMENT =	-48830.8830 FT-KIPS
RESULTANT MUDLINE MOMENT =	97432.6180 FT-KIPS
Z VERTICAL FORCE =	-32.2936 KIPS

```
*****************************************************
*                                                   *
*                    SEALOAD-2                      *
*                                                   *
*      DEVELOPED BY SYNERCOM TECHNOLOGY, INC.       *
*                 HOUSTON, TEXAS                    *
*               RELEASE 2  MOD 13                   *
*                    AUG 1976                       *
*                                                   *
*****************************************************

             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1  SECT
    2  SECT WISHBON   PRI  5000 3000000 3000000 3000000   1000        500
    3  SECT DUMYPIL   TUB 13646 4125028 2062514 2062514   3600 1250
    4  SECT W18X50    WFC  1620     125   60200    4020    750  570 1800  358   50
    5  SECT W8X24     WFC   706      34    8250    1820    650  396  793  245   50
    6  SECT W6X15     WFC   456      11    3010     967    600  269  600  235   50
    7  GRUP
    8  GRUP 086            962  500  29  116  36         100 100      5000
    9  GRUP 106           1075  844  29  116  36         100 100      5000
   10  GRUP 120           1275  500  29  116  36          80 100      5000
   11  GRUP 123           1275  500  29  116  36          80  80      5000
   12  GRUP 125           1075  365  29  116  36          80  80      5000
   13  GRUP 127           1075  365  29  116  36          80  80      5000
   14  GRUP 137           1275  375  29  116  36         160  80      5000
   15  GRUP 140           1400  375  29  116  36          80  80      5000
   16  GRUP 148           1075  365  29  116  36          80  80      5000
   17  GRUP 149           1075  365  29  116  36          80  80      5000
   18  GRUP 160           1600  500  29  116  36          80  80      5000
   19  GRUP 165           1600  625  29  116  36         160  80      5000
   20  GRUP 180           1600  500  29  116  36         160  80      5000
   21  GRUP 190           1800  500  29  116  36         160  80      5000
   22  GRUP 200           2000  625  29  116  36          80  80      5000
   23  GRUP 210           2000  750  29  116  36          80  80      5000
   24  GRUP DRL           3000 1000  29  116  36         100 100      5000
   25  GRUP  P1           4200 1750  29  116  36         100 100      5000
   26  GRUP  P2           4200 2000  29  116  36         100 100      5000
   27  GRUP  P3 DUMYPIL             29  116  36         100 100      5000
   28  GRUP JL4           4800 1750  29  116  36         100 100      5000
   29  GRUP JL5           4750 1500  29  116  36         100 100      5000
   30  GRUP JL6           4750 1500  29  116  36         100 100      5000
   31  GRUP JL7           4550  500  29  116  36         100 100      5000
   32  GRUP JL8           4550  500  29  116  36         100 100      5000
   33  GRUP DUM           1800  500  29  116  36         100 100      5000
   34  GRUP WBN WISHBON             29  116  36
   35  GRUP W18 W18X50              29  116  36         200  50   01
   36  GRUP W08 W8X24               29  116  36         100 100   01
   37  GRUP W06 W6X15               29  116  36         100 100   01
   38  MEMBER
   39  MEMBER  101 102 W18
   40  MEMBER  102 103 W18
   41  MEMBER  103 105 W18
   42  MEMBER  105 106 W18
```

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    43   MEMBER  101 104 W18
    44   MEMBER  104 106 W18
    45   MEMBER  102 104 W08
    46   MEMBER  102 105 W08
    47   MEMBER  104 105 W08
    48   MEMBER  201 202 W18
    49   MEMBER  202 203 W18
    50   MEMBER  203 205 W18
    51   MEMBER  205 206 W18
    52   MEMBER  201 204 W18
    53   MEMBER  204 206 W18
    54   MEMBER  202 204 W08
    55   MEMBER  202 205 W08
    56   MEMBER  204 205 W08
    57   MEMBER  201 303 12D                                               2400
    58   MEMBER  203 306 12D                                               24
    59   MEMBER  206 301 12D                                               3600
    60   MEMBER  301 403 12DSK                                             2400
    61   MEMBER  106 201 12DSK                                             2400
    62   MEMBER  301 303 123                                               20
    63   MEMBER  303 306 123                                               20
    64   MEMBER  301 305 123                                               20
    65   MEMBER  501 502 165                                               1600
    66   MEMBER  502 503 165                                               1600
    67   MEMBER  503 505 165                                               1600
    68   MEMBER  505 506 165                                               1600
    69   MEMBER  501 504 165                                               1600
    70   MEMBER  504 506 165                                               1600
    71   MEMBER  502 504 125                                               1075
    72   MEMBER  502 505 125                                               1075
    73   MEMBER  504 505 125                                               1075
    74   MEMBER  501 507 W8NSK                                             0000
    75   MEMBER  507 510 W8NSK         1111                                0000
    76   MEMBER  503 508 W8NSK                                             0000
    77   MEMBER  508 511 W8NSK         1111                                0000
    78   MEMBER  506 509 W8NSK                                             0000
    79   MEMBER  509 512 W8NSK         1111                                0000
    80   MEMBER  501 513 125SK                                             1200
    81   MEMBER  503 514 125SK                                             1200
    82   MEMBER  513 651 80NSK                                             40
    83   MEMBER  514 653 80NSK                                             40
    84   MEMBER  601 611 106SK                                             1400
    85   MEMBER  603 613 106SK                                             1400
    86   MEMBER  651 661 106SK                                             1757
    87   MEMBER  653 663 106SK                                             1757
    88   MEMBER  611 612 066SK                                             1200
    89   MEMBER  612 613 066SK                                             1200
    90   MEMBER  661 662 066SK                                             2680
    91   MEMBER  662 663 066SK                                             2680
    92   MEMBER  611 661 106SK                                             3000
```

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

      93  MEMBER  612 602 106SK                                                  2000
      94  MEMBER  613 603 106SK                                                  3000
      95  MEMBER  501 632 210                                                    2000
      96  MEMBER  503 635 210                                                    2000
      97  MEMBER  505 634 210                                                    2000
      98  MEMBER  652 703 210                                                    3032
      99  MEMBER  635 706 210                                                    3032
     100  MEMBER  634 701 210                                                    3032
     101  MEMBER  701 702 137                                                    2033
     102  MEMBER  702 703 137                                                    2033
     103  MEMBER  703 705 137                                                    2033
     104  MEMBER  705 706 137                                                    2033
     105  MEMBER  701 704 137                                                    2033
     106  MEMBER  704 706 137                                                    2033
     107  MEMBER  702 704 127                                                    1757
     108  MEMBER  702 705 127                                                    1757
     109  MEMBER  704 705 127                                                    1757
     110  MEMBER  701 707 80NSK                                                  0000
     111  MEMBER  707 710 80NSK          1111                                    0000
     112  MEMBER  703 709 80NSK                                                  0000
     113  MEMBER  708 711 80NSK          1111                                    0000
     114  MEMBER  706 709 80NSK                                                  0000
     115  MEMBER  709 712 80NSK          1111                                    0000
     116  MEMBER  701 806 200                                                    3032
     117  MEMBER  703 801 200                                                    3032
     118  MEMBER  706 803 200                                                    3032
     119  MEMBER  801 802 188                                                    2481
     120  MEMBER  802 803 188                                                    2481
     121  MEMBER  803 805 188                                                    2481
     122  MEMBER  805 806 188                                                    2481
     123  MEMBER  801 804 188                                                    2481
     124  MEMBER  804 806 188                                                    2481
     125  MEMBER  802 804 148                                                    1757
     126  MEMBER  802 805 148                                                    1757
     127  MEMBER  804 805 148                                                    1757
     128  MEMBER  801 807 80NSK                                                  0000
     129  MEMBER  807 810 80NSK          1111                                    0000
     130  MEMBER  803 809 80NSK                                                  0000
     131  MEMBER  808 811 80NSK          1111                                    0000
     132  MEMBER  806 809 80NSK                                                  0000
     133  MEMBER  809 812 80NSK          1111                                    0000
     134  MEMBER  8011002 160                                                    2481
     135  MEMBER  8031002 160                                                    2481
     136  MEMBER  8031005 160                                                    2481
     137  MEMBER  8061005 160                                                    2481
     138  MEMBER  8011004 160                                                    2481
     139  MEMBER  8051004 160                                                    2481
     140  MEMBER 10011002 160                                                    2757
     141  MEMBER 10021003 160                                                    2757
     142  MEMBER 10031005 160                                                    2757
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SEALOAD=2

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
         143 MEMBER 10051006 180                                                2757
         144 MEMBER 10011004 180                                                2757
         145 MEMBER 10041006 180                                                2757
         146 MEMBER 10021004 140                                                1757
         147 MEMBER 10021005 140                                                1757
         148 MEMBER 10041005 140                                                1757
         149 MEMBER 10011007 WBNSK                                              0000
         150 MEMBER 10071010 WBNSK       1111                                   0000
         151 MEMBER 10031008 WBNSK                                              0000
         152 MEMBER 10081011 WBNSK       1111                                   0000
         153 MEMBER 10061009 WBNSK                                              0000
         154 MEMBER 10091012 WBNSK       1111                                   0000
         155 MEMBER  101 201 DKL                                                3000
         156 MEMBER  103 203 DKL                                                3000
         157 MEMBER  106 206 DKL                                                3000
         158 MEMBER  201 301 DKL                                                3000
         159 MEMBER  203 303 DKL                                                3000
         160 MEMBER  206 306 DKL                                                3000
         161 MEMBER  301 401 DKL                                                3000
         162 MEMBER  303 403 DKL                                                3000
         163 MEMBER  306 406 DKL                                                3000
         164 MEMBER  401 501 JL4                                             F  4800
         165 MEMBER  403 503 JL4                                             F  4800
         166 MEMBER  406 506 JL4                                             F  4800
         167 MEMBER  501 601 JL5                                             F  4750
         168 MEMBER  503 603 JL5                                             F  4750
         169 MEMBER  506 606 JL5                                             F  4750
         170 MEMBER  601 631 JL5                                             F  4750
         171 MEMBER  603 633 JL5                                             F  4750
         172 MEMBER  606 636 JL5                                             F  4750
         173 MEMBER  631 651 JL6                                                6821
         174 MEMBER  633 653 JL6                                                6821
         175 MEMBER  636 656 JL6                                                6821
         176 MEMBER  651 701 JL6                                                6821
         177 MEMBER  653 703 JL6                                                6821
         178 MEMBER  656 706 JL6                                                6821
         179 MEMBER  701 801 JL7                                                6546
         180 MEMBER  703 803 JL7                                                6546
         181 MEMBER  706 806 JL7                                                6546
         182 MEMBER  8011001 JL8                                                6546
         183 MEMBER  8031003 JL8                                                6546
         184 MEMBER  8061006 JL8                                                6546
         185 MEMBER  401 510  P1                                             F  0000 1
         186 MEMBER  403 511  P1                                             F  0000 2
         187 MEMBER  406 512  P1                                             F  0000 3
         188 MEMBER  510 710  P1                                             F  0000 1
         189 MEMBER  511 711  P1                                             F  0000 2
         190 MEMBER  512 712  P1                                             F  0000 3
         191 MEMBER  710 810  P2                                             F  0000 1
         192 MEMBER  711 811  P2                                             F  0000 2
```

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  193  MEMBER   712 812   P2                                                   F  0000 3
  194  MEMBER   8101010   P2                                                   F  0000 1
  195  MEMBER   8111011   P2                                                   F  0000 2
  196  MEMBER   8121012   P2                                                   F  0000 3
  197  JOINT
  198  JOINT   101   14.50  -8.37 156.00                         TOP DECK
  199  JOINT   102    0.0   -8.37 156.00                         TOP DECK
  200  JOINT   103  -14.50  -8.37 156.00                         TOP DECK
  201  JOINT   104    7.25   4.18 156.00                         TOP DECK
  202  JOINT   105   -7.25   4.18 156.00                         TOP DECK
  203  JOINT   106    0.0   16.74 156.00                         TOP DECK
  204  JOINT   201   14.50  -8.37 141.00                         BOM DECK
  205  JOINT   202    0.0   -8.37 141.00                         BOM DECK
  206  JOINT   203  -14.50  -8.37 141.00                         BOM DECK
  207  JOINT   204    7.25   4.18 141.00                         BOM DECK
  208  JOINT   205   -7.25   4.18 141.00                         BOM DECK
  209  JOINT   206    0.0   16.74 141.00                         BOM DECK
  210  JOINT   301   14.50  -8.37 126.00                         DK BRACE
  211  JOINT   303  -14.50  -8.37 126.00                         DK BRACE
  212  JOINT   306    0.0   16.74 126.00                         DK BRACE
  213  JOINT   401   14.50  -8.37  97.50                         WP LEVEL
  214  JOINT   403  -14.50  -8.37  97.50                         WP LEVEL
  215  JOINT   406    0.0   16.74  97.50                         WP LEVEL
  216  JOINT   501   15.15  -8.75  93.00                          5 LEVEL
  217  JOINT   502    0.0   -8.75  93.00                          5 LEVEL
  218  JOINT   503  -15.15  -8.75  93.00                          5 LEVEL
  219  JOINT   504    7.58   4.37  93.00                          5 LEVEL
  220  JOINT   505   -7.58   4.37  93.00                          5 LEVEL
  221  JOINT   506    0.0   17.49  93.00                          5 LEVEL
  222  JOINT   507   17.32 -10.00  93.41                          5 LEVEL
  223  JOINT   508  -17.32 -10.00  93.41                          5 LEVEL
  224  JOINT   509    0.0   19.99  93.41                          5 LEVEL
  225  JOINT   510   15.15  -8.75  92.99                          5 LEVEL
  226  JOINT   511  -15.15  -8.75  92.99                          5 LEVEL
  227  JOINT   512    0.0   17.49  92.99                          5 LEVEL
  228  JOINT   513   17.74 -10.25  93.00                         BRG BMPR
  229  JOINT   514  -17.74 -10.25  93.00                         BRG BMPR
  230  JOINT   601   16.01  -9.25  87.00                         BOAT LDG
  231  JOINT   603  -16.01  -9.25  87.00                         BOAT LDG
  232  JOINT   606    0.0   18.49  87.00                         EXTRA JT
  233  JOINT   611   16.01 -15.25  87.00                         BOAT LDG
  234  JOINT   612    0.0  -15.25  87.00                         BOAT LDG
  235  JOINT   613  -16.01 -15.25  87.00                         BOAT LDG
  236  JOINT   651   16.88  -9.75  81.00                         M.L.W.
  237  JOINT   652   -1.13  -9.75  81.00                         M.L.W.
  238  JOINT   653  -16.88  -9.75  81.00                         M.L.W.
  239  JOINT   654    9.00   3.90  81.00                         M.L.W.
  240  JOINT   655   -7.88   5.85  81.00                         M.L.W.
  241  JOINT   656    0.0   19.49  81.00                         M.L.W.
  242  JOINT   661   17.74 -10.25  75.00                         BOAT LDG
```

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8

  243  JOINT  653  -17.74 -10.25  75.00                                  BOAT LDG
  244  JOINT  656    0.0   20.49  75.00                                  BOAT LDG
  245  JOINT  661   17.74 -15.25  75.00                                  BOAT LDG
  246  JOINT  662    0.0  -15.25  75.00                                  BOAT LDG
  247  JOINT  663  -17.74 -15.25  75.00                                  BOAT LDG
  248  JOINT  701   16.76 -10.83  68.00                                  7 LEVEL
  249  JOINT  702    0.0  -10.83  68.00                                  7 LEVEL
  250  JOINT  703  -16.76 -10.83  68.00                                  7 LEVEL
  251  JOINT  704    9.36   5.41  68.00                                  7 LEVEL
  252  JOINT  705   -9.36   5.41  68.00                                  7 LEVEL
  253  JOINT  706    0.0   21.66  68.00                                  7 LEVEL
  254  JOINT  707   20.93 -12.08  68.41                                  7 LEVEL
  255  JOINT  708  -20.93 -12.08  68.41                                  7 LEVEL
  256  JOINT  709    0.0   24.16  68.41                                  7 LEVEL
  257  JOINT  710   16.76 -10.83  67.99                                  7 LEVEL
  258  JOINT  711  -16.76 -10.83  67.99                                  7 LEVEL
  259  JOINT  712    0.0   21.66  67.99                                  7 LEVEL
  260  JOINT  801   23.56 -13.66  34.00                                  8 LEVEL
  261  JOINT  802    0.0  -13.66  34.00                                  8 LEVEL
  262  JOINT  803  -23.66 -13.66  34.00                                  8 LEVEL
  263  JOINT  804   11.85   6.83  34.00                                  8 LEVEL
  264  JOINT  805  -11.85   6.83  34.00                                  8 LEVEL
  265  JOINT  806    0.0   27.33  34.00                                  8 LEVEL
  266  JOINT  807   25.85 -14.91  34.41                                  8 LEVEL
  267  JOINT  808  -25.85 -14.91  34.41                                  8 LEVEL
  268  JOINT  809    0.0   29.83  34.41                                  8 LEVEL
  269  JOINT  810   23.66 -13.66  33.99                                  8 LEVEL
  270  JOINT  811  -23.66 -13.66  33.99                                  8 LEVEL
  271  JOINT  812    0.0   27.33  33.99                                  8 LEVEL
  272  JOINT 1001   28.57 -16.49   0.0                                   MUDLINE
  273  JOINT 1002    0.0  -16.49   0.0                                   MUDLINE
  274  JOINT 1003  -28.57 -16.49   0.0                                   MUDLINE
  275  JOINT 1004   14.29   8.25   0.0                                   MUDLINE
  276  JOINT 1005  -14.29   8.25   0.0                                   MUDLINE
  277  JOINT 1006    0.0   32.99   0.0                                   MUDLINE
  278  JOINT 1007   30.74 -17.74   0.41                                  MUDLINE
  279  JOINT 1008  -30.74 -17.74   0.41                                  MUDLINE
  280  JOINT 1009    0.0   35.49   0.41                                  MUDLINE
  281  JOINT 1010   28.57 -16.49  -0.01                       111111 MDLH PIL
  282  JOINT 1010                                             NONLIN
  283  JOINT 1010                           1010        810 OBLIQU
  284  JOINT 1011  -28.57 -16.49  -0.01                       111111 MDLH PIL
  285  JOINT 1011                                             NONLIN
  286  JOINT 1011                           1011        811 OBLIQU
  287  JOINT 1012    0.0   32.99  -0.01                       111111 MDLH PIL
  288  JOINT 1012                                             NONLIN
  289  JOINT 1012                           1012        812 OBLIQU
  290  LOAD
  291  LOADCN    1
  292  LOAD Y  401 510     0.00    780                             GLOB CONC     WN 0 1
```

LINE NO.												
293	LOAD X	401 510					0.00-472951	GLOB MOMT	WN	0	1
294	LOAD Y	403 511	0.00	780				GLOB CONC	WN	0	1
295	LOAD X	403 511					0.00-472951	GLOB MOMT	WN	0	1
296	LOAD Y	406 512	0.00	780				GLOB CONC	WN	0	1
297	LOAD X	406 512					0.00-472951	GLOB MOMT	WN	0	1
298	LOAD X	201 303	9.73	08	4.58	09		GLOB UNIF	WV	0	1
299	LOAD Y	201 303	9.73	101	4.58	119		GLOB UNIF	WV	0	1
300	LOAD Z	201 303	9.73-	15	4.58-	17		GLOB UNIF	WV	0	1
301	LOAD X	201 303	14.31	09	4.58	10		GLOB UNIF	WV	0	1
302	LOAD Y	201 303	14.31	119	4.58	136		GLOB UNIF	WV	0	1
303	LOAD Z	201 303	14.31-	17	4.58-	19		GLOB UNIF	WV	0	1
304	LOAD X	201 303	16.90	10	4.58	11		GLOB UNIF	WV	0	1
305	LOAD Y	201 303	16.90	136	4.58	154		GLOB UNIF	WV	0	1
306	LOAD Z	201 303	16.90-	19	4.58-	21		GLOB UNIF	WV	0	1
307	LOAD X	201 303	23.48	11	4.58	11		GLOB UNIF	WV	0	1
308	LOAD Y	201 303	23.48	154	4.58	165		GLOB UNIF	WV	0	1
309	LOAD Z	201 303	23.48-	21	4.58-	22		GLOB UNIF	WV	0	1
310	LOAD X	201 303	26.06	11	4.58	11		GLOB UNIF	WV	0	1
311	LOAD Y	201 303	26.06	165	4.58	176		GLOB UNIF	WV	0	1
312	LOAD Z	201 303	26.06-	22	4.58-	22		GLOB UNIF	WV	0	1
313	LOAD X	206 301	20.50	61	2.43	70		GLOB UNIF	WV	0	1
314	LOAD Y	206 301	20.50	93	2.43	109		GLOB UNIF	WV	0	1
315	LOAD Z	205 301	20.50-	96	2.43-	115		GLOB UNIF	WV	0	1
316	LOAD X	205 301	22.93	70	2.43	73		GLOB UNIF	WV	0	1
317	LOAD Y	206 301	22.93	109	2.43	117		GLOB UNIF	WV	0	1
318	LOAD Z	206 301	22.93-	115	2.43-	125		GLOB UNIF	WV	0	1
319	LOAD X	206 301	25.36	73	2.43	74		GLOB UNIF	WV	0	1
320	LOAD Y	205 301	25.36	117	2.43	122		GLOB UNIF	WV	0	1
321	LOAD Z	206 301	25.36-	125	2.43-	132		GLOB UNIF	WV	0	1
322	LOAD X	206 301	27.79	74	2.43	76		GLOB UNIF	WV	0	1
323	LOAD Y	206 301	27.79	122	2.43	127		GLOB UNIF	WV	0	1
324	LOAD Z	206 301	27.79-	132	2.43-	138		GLOB UNIF	WV	0	1
325	LOAD X	205 301	30.22	76	2.43	78		GLOB UNIF	WV	0	1
326	LOAD Y	206 301	30.22	127	2.43	132		GLOB UNIF	WV	0	1
327	LOAD Z	206 301	30.22-	138	2.43-	145		GLOB UNIF	WV	0	1
328	LOAD X	301 403	0.00	14	6.13	15		GLOB UNIF	WV	0	1
329	LOAD Y	301 403	0.00	176	6.13	206		GLOB UNIF	WV	0	1
330	LOAD Z	301 403	0.00-	14	6.13-	15		GLOB UNIF	WV	0	1
331	LOAD X	301 403	6.13	15	6.13	14		GLOB UNIF	WV	0	1
332	LOAD Y	301 403	6.13	206	6.13	199		GLOB UNIF	WV	0	1
333	LOAD Z	301 403	6.13-	15	6.13-	14		GLOB UNIF	WV	0	1
334	LOAD X	301 403	16.26	14	6.13	14		GLOB UNIF	WV	0	1
335	LOAD Y	301 403	16.26	199	6.13	184		GLOB UNIF	WV	0	1
336	LOAD Z	301 403	16.26-	14	6.13-	14		GLOB UNIF	WV	0	1
337	LOAD X	301 403	24.40	14	6.13	13		GLOB UNIF	WV	0	1
338	LOAD Y	301 403	24.40	184	6.13	144		GLOB UNIF	WV	0	1
339	LOAD Z	301 403	24.40-	14	6.13-	13		GLOB UNIF	WV	0	1
340	LOAD X	301 403	32.53	13	6.13	12		GLOB UNIF	WV	0	1
341	LOAD Y	301 403	32.53	144	6.13	116		GLOB UNIF	WV	0	1
342	LOAD Z	301 403	32.53-	13	6.13-	12		GLOB UNIF	WV	0	1

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.													
343	LOAD	Y	301	303	0.00	146	5.80	146	GLOB	UNIF	WV	0	1
344	LOAD	Z	301	303	0.00-	19	5.80-	19	GLOB	UNIF	WV	0	1
345	LOAD	Y	301	303	5.80	146	5.80	146	GLOB	UNIF	WV	0	1
346	LOAD	Z	301	303	5.80-	19	5.80-	19	GLOB	UNIF	WV	0	1
347	LOAD	Y	301	303	11.60	146	5.80	146	GLOB	UNIF	WV	0	1
348	LOAD	Z	301	303	11.60-	19	5.80-	19	GLOB	UNIF	WV	0	1
349	LOAD	Y	301	303	17.40	146	5.80	146	GLOB	UNIF	WV	0	1
350	LOAD	Z	301	303	17.40-	19	5.80-	19	GLOB	UNIF	WV	0	1
351	LOAD	Y	301	303	23.20	146	5.80	146	GLOB	UNIF	WV	0	1
352	LOAD	Z	301	303	23.20-	19	5.80-	19	GLOB	UNIF	WV	0	1
353	LOAD	X	303	306	0.00-	63	3.83-	62	GLOB	UNIF	WV	0	1
354	LOAD	Y	303	306	0.00	37	3.83	36	GLOB	UNIF	WV	0	1
355	LOAD	Z	303	306	0.00-	19	3.83-	16	GLOB	UNIF	WV	0	1
356	LOAD	X	303	306	3.83-	62	3.83-	60	GLOB	UNIF	WV	0	1
357	LOAD	Y	303	306	3.83	36	3.83	35	GLOB	UNIF	WV	0	1
358	LOAD	Z	303	306	3.83-	16	3.83-	14	GLOB	UNIF	WV	0	1
359	LOAD	X	303	306	7.65-	60	3.83-	56	GLOB	UNIF	WV	0	1
360	LOAD	Y	303	306	7.65	35	3.83	32	GLOB	UNIF	WV	0	1
361	LOAD	Z	303	306	7.65-	14	3.83-	09	GLOB	UNIF	WV	0	1
362	LOAD	X	303	306	11.48-	56	3.83-	50	GLOB	UNIF	WV	0	1
363	LOAD	Y	303	306	11.48	32	3.83	29	GLOB	UNIF	WV	0	1
364	LOAD	Z	303	306	11.48-	09	3.83-	02	GLOB	UNIF	WV	0	1
365	LOAD	X	303	306	15.30-	50	3.83-	44	GLOB	UNIF	WV	0	1
366	LOAD	Y	303	306	15.30	29	3.83	25	GLOB	UNIF	WV	0	1
367	LOAD	Z	303	306	15.30-	02	1.39		GLOB	UNIF	WV	0	1
368	LOAD	Z	303	306	16.69		2.43	04	GLOB	UNIF	WV	0	1
369	LOAD	X	303	306	19.13-	44	3.83-	28	GLOB	UNIF	WV	0	1
370	LOAD	Y	303	306	19.13	25	3.83	16	GLOB	UNIF	WV	0	1
371	LOAD	Z	303	306	19.13	04	3.83	11	GLOB	UNIF	WV	0	1
372	LOAD	X	301	306	0.00	63	3.83	62	GLOB	UNIF	WV	0	1
373	LOAD	Y	301	306	0.00	37	3.83	36	GLOB	UNIF	WV	0	1
374	LOAD	Z	301	306	0.00-	19	3.83-	16	GLOB	UNIF	WV	0	1
375	LOAD	X	301	306	3.83	62	3.83	60	GLOB	UNIF	WV	0	1
376	LOAD	Y	301	306	3.83	36	3.83	35	GLOB	UNIF	WV	0	1
377	LOAD	Z	301	306	3.83-	16	3.83-	14	GLOB	UNIF	WV	0	1
378	LOAD	X	301	306	7.65	60	3.83	56	GLOB	UNIF	WV	0	1
379	LOAD	Y	301	306	7.65	35	3.83	32	GLOB	UNIF	WV	0	1
380	LOAD	Z	301	306	7.65-	14	3.83-	09	GLOB	UNIF	WV	0	1
381	LOAD	X	301	306	11.48	56	3.83	50	GLOB	UNIF	WV	0	1
382	LOAD	Y	301	306	11.48	32	3.83	29	GLOB	UNIF	WV	0	1
383	LOAD	Z	301	306	11.48-	09	3.83-	02	GLOB	UNIF	WV	0	1
384	LOAD	X	301	306	15.30	50	3.83	44	GLOB	UNIF	WV	0	1
385	LOAD	Y	301	306	15.30	29	3.83	25	GLOB	UNIF	WV	0	1
386	LOAD	Z	301	306	15.30-	02	1.39		GLOB	UNIF	WV	0	1
387	LOAD	Z	301	306	16.69		2.43	04	GLOB	UNIF	WV	0	1
388	LOAD	X	301	306	19.13	44	3.83	28	GLOB	UNIF	WV	0	1
389	LOAD	Y	301	306	19.13	25	3.83	16	GLOB	UNIF	WV	0	1
390	LOAD	Z	301	306	19.13	04	3.83	11	GLOB	UNIF	WV	0	1
391	LOAD	Y	301	302	0.00	69	3.03	69	GLOB	UNIF	WV	0	1
392	LOAD	Z	301	302	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	1

LINE NO.												
393	LOAD	Y	501	502	3.03	69	3.03	69	GLOB	UNIF	WV	0 1
394	LOAD	Z	501	502	3.03-	10	3.03-	10	GLOB	UNIF	WV	0 1
395	LOAD	Y	501	502	6.06	69	3.03	69	GLOB	UNIF	WV	0 1
396	LOAD	Z	501	502	6.06-	10	3.03-	10	GLOB	UNIF	WV	0 1
397	LOAD	Y	501	502	9.09	69	3.03	69	GLOB	UNIF	WV	0 1
398	LOAD	Z	501	502	9.09-	10	3.03-	10	GLOB	UNIF	WV	0 1
399	LOAD	Y	501	502	12.12	69	3.03	69	GLOB	UNIF	WV	0 1
400	LOAD	Z	501	502	12.12-	10	3.03-	10	GLOB	UNIF	WV	0 1
401	LOAD	Y	502	503	0.00	69	3.03	69	GLOB	UNIF	WV	0 1
402	LOAD	Z	502	503	0.00-	10	3.03-	10	GLOB	UNIF	WV	0 1
403	LOAD	Y	502	503	3.03	69	3.03	69	GLOB	UNIF	WV	0 1
404	LOAD	Z	502	503	3.03-	10	3.03-	10	GLOB	UNIF	WV	0 1
405	LOAD	Y	502	503	6.06	69	3.03	69	GLOB	UNIF	WV	0 1
406	LOAD	Z	502	503	6.06-	10	3.03-	10	GLOB	UNIF	WV	0 1
407	LOAD	Y	502	503	9.09	69	3.03	69	GLOB	UNIF	WV	0 1
408	LOAD	Z	502	503	9.09-	10	3.03-	10	GLOB	UNIF	WV	0 1
409	LOAD	Y	502	503	12.12	69	3.03	69	GLOB	UNIF	WV	0 1
410	LOAD	Z	502	503	12.12-	10	3.03-	10	GLOB	UNIF	WV	0 1
411	LOAD	X	503	505	0.00-	30	3.03-	30	GLOB	UNIF	WV	0 1
412	LOAD	Y	503	505	0.00	17	3.03	17	GLOB	UNIF	WV	0 1
413	LOAD	Z	503	505	0.00-	10	3.03-	10	GLOB	UNIF	WV	0 1
414	LOAD	X	503	505	3.03-	30	3.03-	30	GLOB	UNIF	WV	0 1
415	LOAD	Y	503	505	3.03	17	3.03	17	GLOB	UNIF	WV	0 1
416	LOAD	Z	503	505	3.03-	10	3.03-	09	GLOB	UNIF	WV	0 1
417	LOAD	X	503	505	6.06-	30	3.03-	30	GLOB	UNIF	WV	0 1
418	LOAD	Y	503	505	6.06	17	3.03	16	GLOB	UNIF	WV	0 1
419	LOAD	Z	503	505	6.06-	09	3.03-	09	GLOB	UNIF	WV	0 1
420	LOAD	X	503	505	9.09-	30	3.03-	30	GLOB	UNIF	WV	0 1
421	LOAD	Y	503	505	9.09	16	3.03	17	GLOB	UNIF	WV	0 1
422	LOAD	Z	503	505	9.09-	09	3.03-	08	GLOB	UNIF	WV	0 1
423	LOAD	X	503	505	12.12-	30	3.03-	30	GLOB	UNIF	WV	0 1
424	LOAD	Y	503	505	12.12	17	3.03	17	GLOB	UNIF	WV	0 1
425	LOAD	Z	503	505	12.12-	08	3.03-	07	GLOB	UNIF	WV	0 1
426	LOAD	X	505	506	0.00-	30	3.03-	30	GLOB	UNIF	WV	0 1
427	LOAD	Y	505	506	0.00	17	3.03	17	GLOB	UNIF	WV	0 1
428	LOAD	Z	505	506	0.00-	07	3.03-	07	GLOB	UNIF	WV	0 1
429	LOAD	X	505	506	3.03-	30	3.03-	30	GLOB	UNIF	WV	0 1
430	LOAD	Y	505	506	3.03	17	3.03	17	GLOB	UNIF	WV	0 1
431	LOAD	Z	505	506	3.03-	07	3.03-	06	GLOB	UNIF	WV	0 1
432	LOAD	X	505	506	6.06-	30	3.03-	29	GLOB	UNIF	WV	0 1
433	LOAD	Y	505	506	6.06	17	3.03	17	GLOB	UNIF	WV	0 1
434	LOAD	Z	505	506	6.06-	06	3.03-	04	GLOB	UNIF	WV	0 1
435	LOAD	X	505	506	9.09-	29	3.03-	29	GLOB	UNIF	WV	0 1
436	LOAD	Y	505	506	9.09	17	3.03	17	GLOB	UNIF	WV	0 1
437	LOAD	Z	505	506	9.09-	04	3.03-	03	GLOB	UNIF	WV	0 1
438	LOAD	X	505	506	12.12-	29	3.03-	26	GLOB	UNIF	WV	0 1
439	LOAD	Y	505	506	12.12	17	3.03	16	GLOB	UNIF	WV	0 1
440	LOAD	Z	505	506	12.12-	03	3.03-	02	GLOB	UNIF	WV	0 1
441	LOAD	X	501	504	0.00	30	3.03	30	GLOB	UNIF	WV	0 1
442	LOAD	Y	501	504	0.00	17	3.03	17	GLOB	UNIF	WV	0 1

LINE NO.	1...5									
443	LOAD	Z	501	504	0.00-	10	3.03-	10	GLOB UNIF	WV 0 1
444	LOAD	X	501	504	3.03	30	3.03	30	GLOB UNIF	WV 0 1
445	LOAD	Y	501	504	3.03	17	3.03	17	GLOB UNIF	WV 0 1
446	LOAD	Z	501	504	3.03-	10	3.03-	09	GLOB UNIF	WV 0 1
447	LOAD	X	501	504	6.06	30	3.03	30	GLOB UNIF	WV 0 1
448	LOAD	Y	501	504	6.06	17	3.03	16	GLOB UNIF	WV 0 1
449	LOAD	Z	501	504	6.06-	09	3.03-	09	GLOB UNIF	WV 0 1
450	LOAD	X	501	504	9.09	30	3.03	30	GLOB UNIF	WV 0 1
451	LOAD	Y	501	504	9.09	16	3.03	17	GLOB UNIF	WV 0 1
452	LOAD	Z	501	504	9.09-	09	3.03-	08	GLOB UNIF	WV 0 1
453	LOAD	X	501	504	12.12	30	3.03	30	GLOB UNIF	WV 0 1
454	LOAD	Y	501	504	12.12	17	3.03	17	GLOB UNIF	WV 0 1
455	LOAD	Z	501	504	12.12-	08	3.03-	07	GLOB UNIF	WV 0 1
456	LOAD	X	504	506	0.00	30	3.03	30	GLOB UNIF	WV 0 1
457	LOAD	Y	504	506	0.00	17	3.03	17	GLOB UNIF	WV 0 1
458	LOAD	Z	504	506	0.00-	07	3.03-	07	GLOB UNIF	WV 0 1
459	LOAD	X	504	506	3.03	30	3.03	30	GLOB UNIF	WV 0 1
460	LOAD	Y	504	506	3.03	17	3.03	17	GLOB UNIF	WV 0 1
461	LOAD	Z	504	506	3.03-	07	3.03-	06	GLOB UNIF	WV 0 1
462	LOAD	X	504	506	6.06	30	3.03	29	GLOB UNIF	WV 0 1
463	LOAD	Y	504	506	6.06	17	3.03	17	GLOB UNIF	WV 0 1
464	LOAD	Z	504	506	6.06-	06	3.03-	04	GLOB UNIF	WV 0 1
465	LOAD	X	504	506	9.09	29	3.03	29	GLOB UNIF	WV 0 1
466	LOAD	Y	504	506	9.09	17	3.03	17	GLOB UNIF	WV 0 1
467	LOAD	Z	504	506	9.09-	04	3.03-	03	GLOB UNIF	WV 0 1
468	LOAD	X	504	506	12.12	29	3.03	28	GLOB UNIF	WV 0 1
469	LOAD	Y	504	506	12.12	17	3.03	16	GLOB UNIF	WV 0 1
470	LOAD	Z	504	506	12.12-	03	3.03-	02	GLOB UNIF	WV 0 1
471	LOAD	X	502	504	0.00-	20	3.03-	20	GLOB UNIF	WV 0 1
472	LOAD	Y	502	504	0.00	12	3.03	12	GLOB UNIF	WV 0 1
473	LOAD	Z	502	504	0.00-	04	3.03-	04	GLOB UNIF	WV 0 1
474	LOAD	X	502	504	3.03-	20	3.03-	20	GLOB UNIF	WV 0 1
475	LOAD	Y	502	504	3.03	12	3.03	12	GLOB UNIF	WV 0 1
476	LOAD	Z	502	504	3.03-	04	3.03-	04	GLOB UNIF	WV 0 1
477	LOAD	X	502	504	6.06-	20	3.03-	20	GLOB UNIF	WV 0 1
478	LOAD	Y	502	504	6.06	12	3.03	12	GLOB UNIF	WV 0 1
479	LOAD	Z	502	504	6.06-	04	3.03-	04	GLOB UNIF	WV 0 1
480	LOAD	X	502	504	9.09-	20	3.03-	20	GLOB UNIF	WV 0 1
481	LOAD	Y	502	504	9.09	12	3.03	12	GLOB UNIF	WV 0 1
482	LOAD	Z	502	504	9.09-	04	3.03-	03	GLOB UNIF	WV 0 1
483	LOAD	X	502	504	12.12-	20	3.03-	20	GLOB UNIF	WV 0 1
484	LOAD	Y	502	504	12.12	12	3.03	11	GLOB UNIF	WV 0 1
485	LOAD	Z	502	504	12.12-	03	3.03-	03	GLOB UNIF	WV 0 1
486	LOAD	X	502	505	0.00	20	3.03	20	GLOB UNIF	WV 0 1
487	LOAD	Y	502	505	0.00	12	3.03	12	GLOB UNIF	WV 0 1
488	LOAD	Z	502	505	0.00-	04	3.03-	04	GLOB UNIF	WV 0 1
489	LOAD	X	502	505	3.03	20	3.03	20	GLOB UNIF	WV 0 1
490	LOAD	Y	502	505	3.03	12	3.03	12	GLOB UNIF	WV 0 1
491	LOAD	Z	502	505	3.03-	04	3.03-	04	GLOB UNIF	WV 0 1
492	LOAD	X	502	505	6.06	20	3.03	20	GLOB UNIF	WV 0 1

LINE NO.												
493	LOAD	Y	502	505	6.06	12	3.03	12	GLOB UNIF	WV	0	1
494	LOAD	Z	502	505	6.06-	04	3.03-	04	GLOB UNIF	WV	0	1
495	LOAD	X	502	505	9.09	20	3.03	20	GLOB UNIF	WV	0	1
496	LOAD	Y	502	505	9.09	12	3.03	12	GLOB UNIF	WV	0	1
497	LOAD	Z	502	505	9.09-	04	3.03-	03	GLOB UNIF	WV	0	1
498	LOAD	X	502	505	12.12	20	3.03	20	GLOB UNIF	WV	0	1
499	LOAD	Y	502	505	12.12	12	3.03	11	GLOB UNIF	WV	0	1
500	LOAD	Z	502	505	12.12-	03	3.03-	03	GLOB UNIF	WV	0	1
501	LOAD	Y	504	505	0.00	46	3.03	46	GLOB UNIF	WV	0	1
502	LOAD	Z	504	505	0.00-	03	3.03-	03	GLOB UNIF	WV	0	1
503	LOAD	Y	504	505	3.03	46	3.03	46	GLOB UNIF	WV	0	1
504	LOAD	Z	504	505	3.03-	03	3.03-	03	GLOB UNIF	WV	0	1
505	LOAD	Y	504	505	6.06	46	3.03	46	GLOB UNIF	WV	0	1
506	LOAD	Z	504	505	6.06-	03	3.03-	03	GLOB UNIF	WV	0	1
507	LOAD	Y	504	505	9.10	46	3.03	46	GLOB UNIF	WV	0	1
508	LOAD	Z	504	505	9.10-	03	3.03-	03	GLOB UNIF	WV	0	1
509	LOAD	Y	504	505	12.13	46	3.03	46	GLOB UNIF	WV	0	1
510	LOAD	Z	504	505	12.13-	03	3.03-	03	GLOB UNIF	WV	0	1
511	LOAD	X	501	513	0.00	22	.60	22	GLOB UNIF	WV	0	1
512	LOAD	Y	501	513	0.00	39	.60	39	GLOB UNIF	WV	0	1
513	LOAD	Z	501	513	0.00-	06	.60-	06	GLOB UNIF	WV	0	1
514	LOAD	X	501	513	.60	22	.60	22	GLOB UNIF	WV	0	1
515	LOAD	Y	501	513	.60	39	.60	39	GLOB UNIF	WV	0	1
516	LOAD	Z	501	513	.60-	06	.60-	06	GLOB UNIF	WV	0	1
517	LOAD	X	501	513	1.20	22	.60	22	GLOB UNIF	WV	0	1
518	LOAD	Y	501	513	1.20	39	.60	39	GLOB UNIF	WV	0	1
519	LOAD	Z	501	513	1.20-	06	.60-	06	GLOB UNIF	WV	0	1
520	LOAD	X	501	513	1.80	22	.60	22	GLOB UNIF	WV	0	1
521	LOAD	Y	501	513	1.80	39	.60	38	GLOB UNIF	WV	0	1
522	LOAD	Z	501	513	1.80-	06	.60-	06	GLOB UNIF	WV	0	1
523	LOAD	X	501	513	2.39	22	.60	22	GLOB UNIF	WV	0	1
524	LOAD	Y	501	513	2.39	38	.60	38	GLOB UNIF	WV	0	1
525	LOAD	Z	501	513	2.39-	06	.60-	06	GLOB UNIF	WV	0	1
526	LOAD	X	503	514	0.00-	22	.60-	22	GLOB UNIF	WV	0	1
527	LOAD	Y	503	514	0.00	39	.60	39	GLOB UNIF	WV	0	1
528	LOAD	Z	503	514	0.00-	06	.60-	06	GLOB UNIF	WV	0	1
529	LOAD	X	503	514	.60-	22	.60-	22	GLOB UNIF	WV	0	1
530	LOAD	Y	503	514	.60	39	.60	39	GLOB UNIF	WV	0	1
531	LOAD	Z	503	514	.60-	06	.60-	06	GLOB UNIF	WV	0	1
532	LOAD	X	503	514	1.20-	22	.60-	22	GLOB UNIF	WV	0	1
533	LOAD	Y	503	514	1.20	39	.60	39	GLOB UNIF	WV	0	1
534	LOAD	Z	503	514	1.20-	06	.60-	06	GLOB UNIF	WV	0	1
535	LOAD	X	503	514	1.80-	22	.60-	22	GLOB UNIF	WV	0	1
536	LOAD	Y	503	514	1.80	39	.60	38	GLOB UNIF	WV	0	1
537	LOAD	Z	503	514	1.80-	06	.60-	06	GLOB UNIF	WV	0	1
538	LOAD	X	503	514	2.39-	22	.60-	22	GLOB UNIF	WV	0	1
539	LOAD	Y	503	514	2.39	38	.60	38	GLOB UNIF	WV	0	1
540	LOAD	Z	503	514	2.39-	06	.60-	06	GLOB UNIF	WV	0	1
541	LOAD	Y	513	651	0.00	171	3.60	156	GLOB UNIF	WV	0	1
542	LOAD	Y	513	651	3.60	156	3.60	145	GLOB UNIF	WV	0	1

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 543  LOAD 1  513 651    7.20    145   3.00    134            GLOB UNIF    WY 0 1
 544  LOAD 1  513 651   10.80    134   3.00    124            GLOB UNIF    WY 0 1
 545  LOAD 1  513 651   14.40    124   3.00    110            GLOB UNIF    WY 0 1
 546  LOAD 1  514 655    0.00    171   3.00    156            GLOB UNIF    WY 0 1
 547  LOAD 1  514 655    3.60    156   3.00    145            GLOB UNIF    WY 0 1
 548  LOAD 1  514 655    7.20    145   3.00    134            GLOB UNIF    WY 0 1
 549  LOAD 1  514 655   10.80    134   3.00    124            GLOB UNIF    WY 0 1
 550  LOAD 1  514 655   14.40    124   3.00    110            GLOB UNIF    WY 0 1
 551  LOAD 2  671 611    0.00*    97   1.20*    97            GLOB UNIF    WY 0 1
 552  LOAD 2  671 611    1.20*    97   1.20*    97            GLOB UNIF    WY 0 1
 553  LOAD 2  671 611    2.40*    97   1.20*    97            GLOB UNIF    WY 0 1
 554  LOAD 2  671 611    3.60*    97   1.20*    97            GLOB UNIF    WY 0 1
 555  LOAD 2  691 611    4.80*    97   1.20*    97            GLOB UNIF    WY 0 1
 556  LOAD 2  695 615    0.00*    97   1.20*    97            GLOB UNIF    WY 0 1
 557  LOAD 2  695 615    1.20*    97   1.20*    97            GLOB UNIF    WY 0 1
 558  LOAD 2  675 615    2.40*    97   1.20*    97            GLOB UNIF    WY 0 1
 559  LOAD 2  675 615    3.60*    97   1.20*    97            GLOB UNIF    WY 0 1
 560  LOAD 2  675 615    4.80*    97   1.20*    97            GLOB UNIF    WY 0 1
 561  LOAD 2  651 661    0.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 562  LOAD 2  651 661    1.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 563  LOAD 2  651 661    2.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 564  LOAD 2  651 661    3.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 565  LOAD 2  651 661    4.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 566  LOAD 2  655 665    0.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 567  LOAD 2  655 665    1.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 568  LOAD 2  655 665    2.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 569  LOAD 2  655 665    3.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 570  LOAD 2  655 665    4.00*    92   1.00*    92            GLOB UNIF    WY 0 1
 571  LOAD 1  611 612    0.00     43   3.20     43            GLOB UNIF    WY 0 1
 572  LOAD 2  611 612    0.00*    95   3.20*    95            GLOB UNIF    WY 0 1
 573  LOAD 1  611 612    3.20     43   3.20     43            GLOB UNIF    WY 0 1
 574  LOAD 2  611 612    3.20*    95   3.20*    95            GLOB UNIF    WY 0 1
 575  LOAD 1  611 612    6.40     43   3.20     43            GLOB UNIF    WY 0 1
 576  LOAD 2  611 612    6.40*    95   3.20*    95            GLOB UNIF    WY 0 1
 577  LOAD 1  611 612    9.61     43   3.20     43            GLOB UNIF    WY 0 1
 578  LOAD 2  611 612    9.61*    95   3.20*    95            GLOB UNIF    WY 0 1
 579  LOAD 1  611 612   12.81     43   3.20     43            GLOB UNIF    WY 0 1
 580  LOAD 2  611 612   12.81*    95   3.20*    95            GLOB UNIF    WY 0 1
 581  LOAD 1  612 613    0.00     43   3.20     43            GLOB UNIF    WY 0 1
 582  LOAD 2  612 613    0.00*    95   3.20*    95            GLOB UNIF    WY 0 1
 583  LOAD 1  612 613    3.20     43   3.20     43            GLOB UNIF    WY 0 1
 584  LOAD 2  612 613    3.20*    95   3.20*    95            GLOB UNIF    WY 0 1
 585  LOAD 1  612 613    6.40     43   3.20     43            GLOB UNIF    WY 0 1
 586  LOAD 2  612 613    6.40*    95   3.20*    95            GLOB UNIF    WY 0 1
 587  LOAD 1  612 613    9.61     43   3.20     43            GLOB UNIF    WY 0 1
 588  LOAD 2  612 613    9.61*    95   3.20*    95            GLOB UNIF    WY 0 1
 589  LOAD 1  612 613   12.81     43   3.20     43            GLOB UNIF    WY 0 1
 590  LOAD 2  612 613   12.81*    95   3.20*    95            GLOB UNIF    WY 0 1
 591  LOAD 1  661 662    0.00     77   3.55     77            GLOB UNIF    WY 0 1
 592  LOAD 2  661 662    0.00*    95   3.55*    95            GLOB UNIF    WY 0 1
```

LINE NO.	1...5....0....5				2	3	3	4	6	6	7		
593	LUAD	Y	601	602	3.55	77	3.55	77	GLOB	UNIF	WV	0	1
594	LUAD	Z	601	602	3.55-	05	3.55-	05	GLOB	UNIF	WV	0	1
595	LUAD	Y	601	602	7.10	77	3.55	77	GLOB	UNIF	WV	0	1
596	LUAD	Z	601	602	7.10-	05	3.55-	05	GLOB	UNIF	WV	0	1
597	LUAD	Y	601	602	10.64	77	3.55	77	GLOB	UNIF	WV	0	1
598	LUAD	Z	601	602	10.64-	05	3.55-	05	GLOB	UNIF	WV	0	1
599	LUAD	Y	601	602	14.19	77	3.55	77	GLOB	UNIF	WV	0	1
600	LUAD	Z	601	602	14.19-	05	3.55-	05	GLOB	UNIF	WV	0	1
601	LUAD	Y	602	603	0.00	77	3.55	77	GLOB	UNIF	WV	0	1
602	LUAD	Z	602	603	0.00-	05	3.55-	05	GLOB	UNIF	WV	0	1
603	LUAD	Y	602	603	3.55	77	3.55	77	GLOB	UNIF	WV	0	1
604	LUAD	Z	602	603	3.55-	05	3.55-	05	GLOB	UNIF	WV	0	1
605	LUAD	Y	602	603	7.10	77	3.55	77	GLOB	UNIF	WV	0	1
606	LUAD	Z	602	603	7.10-	05	3.55-	05	GLOB	UNIF	WV	0	1
607	LUAD	Y	602	603	10.64	77	3.55	77	GLOB	UNIF	WV	0	1
608	LUAD	Z	602	603	10.64-	05	3.55-	05	GLOB	UNIF	WV	0	1
609	LUAD	Y	602	603	14.19	77	3.55	77	GLOB	UNIF	WV	0	1
610	LUAD	Z	602	603	14.19-	05	3.55-	05	GLOB	UNIF	WV	0	1
611	LUAD	X	611	601	0.00-	04	2.42-	04	GLOB	UNIF	WV	0	1
612	LUAD	Y	611	601	0.00	106	2.42	100	GLOB	UNIF	WV	0	1
613	LUAD	Z	611	601	0.00-	1	2.42-	1	GLOB	UNIF	WV	0	1
614	LUAD	X	611	601	2.42-	04	2.42-	04	GLOB	UNIF	WV	0	1
615	LUAD	Y	611	601	2.42	100	2.42	95	GLOB	UNIF	WV	0	1
616	LUAD	Z	611	601	2.42-	1	2.42-	1	GLOB	UNIF	WV	0	1
617	LUAD	X	611	601	4.85-	04	2.42-	04	GLOB	UNIF	WV	0	1
618	LUAD	Y	611	601	4.85	95	2.42	90	GLOB	UNIF	WV	0	1
619	LUAD	Z	611	601	4.85-	1	2.42-	1	GLOB	UNIF	WV	0	1
620	LUAD	X	611	601	7.27-	04	2.42-	04	GLOB	UNIF	WV	0	1
621	LUAD	Y	611	601	7.27	90	2.42	86	GLOB	UNIF	WV	0	1
622	LUAD	Z	611	601	7.27-	1	2.42-	1	GLOB	UNIF	WV	0	1
623	LUAD	X	611	601	9.70-	04	2.42-	04	GLOB	UNIF	WV	0	1
624	LUAD	Y	611	601	9.70	86	2.42	83	GLOB	UNIF	WV	0	1
625	LUAD	Z	611	601	9.70-	1	2.42		GLOB	UNIF	WV	0	1
626	LUAD	Y	612	602	0.00	71	2.40	68	GLOB	UNIF	WV	0	1
627	LUAD	Y	612	602	2.40	68	2.40	65	GLOB	UNIF	WV	0	1
628	LUAD	Y	612	602	4.80	65	2.40	61	GLOB	UNIF	WV	0	1
629	LUAD	Y	612	602	7.20	61	2.40	59	GLOB	UNIF	WV	0	1
630	LUAD	Y	612	602	9.60	59	2.40	56	GLOB	UNIF	WV	0	1
631	LUAD	X	613	603	0.00	04	2.42	04	GLOB	UNIF	WV	0	1
632	LUAD	Y	613	603	0.00	106	2.42	100	GLOB	UNIF	WV	0	1
633	LUAD	Z	613	603	0.00-	1	2.42-	1	GLOB	UNIF	WV	0	1
634	LUAD	X	613	603	2.42	04	2.42	04	GLOB	UNIF	WV	0	1
635	LUAD	Y	613	603	2.42	100	2.42	95	GLOB	UNIF	WV	0	1
636	LUAD	Z	613	603	2.42-	1	2.42-	1	GLOB	UNIF	WV	0	1
637	LUAD	X	613	603	4.85	04	2.42	04	GLOB	UNIF	WV	0	1
638	LUAD	Y	613	603	4.85	95	2.42	90	GLOB	UNIF	WV	0	1
639	LUAD	Z	613	603	4.85-	1	2.42-	1	GLOB	UNIF	WV	0	1
640	LUAD	X	613	603	7.27	04	2.42	04	GLOB	UNIF	WV	0	1
641	LUAD	Y	613	603	7.27	90	2.42	86	GLOB	UNIF	WV	0	1
642	LUAD	Z	613	603	7.27-	1	2.42-	1	GLOB	UNIF	WV	0	1

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   643   LOAD X  613 663   9.70     04    2.42    04                  GLOB UNIF    WV 0 1
   644   LOAD Y  613 663   9.70     86    2.42    83                  GLOB UNIF    WV 0 1
   645   LOAD Z  613 663   9.70-     1    2.42                        GLOB UNIF    WV 0 1
   646   LOAD X  501 632   0.00     04    4.05    04                  GLOB UNIF    WV 0 1
   647   LOAD Y  501 632   0.00     86    4.05    81                  GLOB UNIF    WV 0 1
   648   LOAD Z  501 632   0.00-    13    4.05-   12                  GLOB UNIF    WV 0 1
   649   LOAD X  501 632   4.05     04    4.05    04                  GLOB UNIF    WV 0 1
   650   LOAD Y  501 632   4.05     81    4.05    77                  GLOB UNIF    WV 0 1
   651   LOAD Z  501 632   4.05-    12    4.05-   12                  GLOB UNIF    WV 0 1
   652   LOAD X  501 632   8.10     04    4.05    04                  GLOB UNIF    WV 0 1
   653   LOAD Y  501 632   8.10     77    4.05    73                  GLOB UNIF    WV 0 1
   654   LOAD Z  501 632   8.10-    12    4.05-   11                  GLOB UNIF    WV 0 1
   655   LOAD X  501 632  12.15     04    4.05    04                  GLOB UNIF    WV 0 1
   656   LOAD Y  501 632  12.15     73    4.05    70                  GLOB UNIF    WV 0 1
   657   LOAD Z  501 632  12.15-    11    4.05-   11                  GLOB UNIF    WV 0 1
   658   LOAD X  501 632  16.20     04    4.05    04                  GLOB UNIF    WV 0 1
   659   LOAD Y  501 632  16.20     70    4.05    66                  GLOB UNIF    WV 0 1
   660   LOAD Z  501 632  16.20-    11    4.05-   10                  GLOB UNIF    WV 0 1
   661   LOAD X  503 635   0.00-    26    4.05-   24                  GLOB UNIF    WV 0 1
   662   LOAD Y  503 635   0.00     35    4.05    33                  GLOB UNIF    WV 0 1
   663   LOAD Z  503 635   0.00     27    4.05    25                  GLOB UNIF    WV 0 1
   664   LOAD X  503 635   4.05-    24    4.05-   23                  GLOB UNIF    WV 0 1
   665   LOAD Y  503 635   4.05     33    4.05    32                  GLOB UNIF    WV 0 1
   666   LOAD Z  503 635   4.05     25    4.05    25                  GLOB UNIF    WV 0 1
   667   LOAD X  503 635   8.10-    23    4.05-   22                  GLOB UNIF    WV 0 1
   668   LOAD Y  503 635   8.10     32    4.05    31                  GLOB UNIF    WV 0 1
   669   LOAD Z  503 635   8.10     25    4.05    24                  GLOB UNIF    WV 0 1
   670   LOAD X  503 635  12.15-    22    4.05-   21                  GLOB UNIF    WV 0 1
   671   LOAD Y  503 635  12.15     31    4.05    29                  GLOB UNIF    WV 0 1
   672   LOAD Z  503 635  12.15     24    4.05    23                  GLOB UNIF    WV 0 1
   673   LOAD X  503 635  16.20-    21    4.05-   20                  GLOB UNIF    WV 0 1
   674   LOAD Y  503 635  16.20     29    4.05    28                  GLOB UNIF    WV 0 1
   675   LOAD Z  503 635  16.20     23    4.05    22                  GLOB UNIF    WV 0 1
   676   LOAD X  506 634   0.00     24    4.05    22                  GLOB UNIF    WV 0 1
   677   LOAD Y  506 634   0.00     48    4.05    47                  GLOB UNIF    WV 0 1
   678   LOAD Z  506 634   0.00-    37    4.05-   36                  GLOB UNIF    WV 0 1
   679   LOAD X  506 634   4.05     22    4.05    21                  GLOB UNIF    WV 0 1
   680   LOAD Y  506 634   4.05     47    4.05    46                  GLOB UNIF    WV 0 1
   681   LOAD Z  506 634   4.05-    36    4.05-   36                  GLOB UNIF    WV 0 1
   682   LOAD X  506 634   8.10     21    4.05    20                  GLOB UNIF    WV 0 1
   683   LOAD Y  506 634   8.10     46    4.05    45                  GLOB UNIF    WV 0 1
   684   LOAD Z  506 634   8.10-    36    4.05-   36                  GLOB UNIF    WV 0 1
   685   LOAD X  506 634  12.14     20    4.05    19                  GLOB UNIF    WV 0 1
   686   LOAD Y  506 634  12.14     45    4.05    43                  GLOB UNIF    WV 0 1
   687   LOAD Z  506 634  12.14-    36    4.05-   35                  GLOB UNIF    WV 0 1
   688   LOAD X  506 634  16.19     19    4.05    17                  GLOB UNIF    WV 0 1
   689   LOAD Y  506 634  16.19     43    4.05    42                  GLOB UNIF    WV 0 1
   690   LOAD Z  506 634  16.19-    35    4.05-   34                  GLOB UNIF    WV 0 1
   691   LOAD X  632 703   0.00     02    4.39    02                  GLOB UNIF    WV 0 1
   692   LOAD Y  632 703   0.00     99    4.39    94                  GLOB UNIF    WV 0 1
```

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
693	LOAD	Z	632	703	0.00-	11	4.39-	11	GLOB UNIF	WV	0 1
694	LOAD	X	632	703	4.39	02	4.39	02	GLOB UNIF	WV	0 1
695	LOAD	Y	632	703	4.39	94	4.39	90	GLOB UNIF	WV	0 1
696	LOAD	Z	632	703	4.39-	11	4.39-	10	GLOB UNIF	WV	0 1
697	LOAD	X	632	703	8.77	02	4.39	02	GLOB UNIF	WV	0 1
698	LOAD	Y	632	703	8.77	90	4.39	85	GLOB UNIF	WV	0 1
699	LOAD	Z	632	703	8.77-	10	4.39-	10	GLOB UNIF	WV	0 1
700	LOAD	X	632	703	13.16	02	4.39	02	GLOB UNIF	WV	0 1
701	LOAD	Y	632	703	13.16	85	4.39	81	GLOB UNIF	WV	0 1
702	LOAD	Z	632	703	13.16-	10	4.39-	09	GLOB UNIF	WV	0 1
703	LOAD	X	632	703	17.55	02	4.39	02	GLOB UNIF	WV	0 1
704	LOAD	Y	632	703	17.55	81	4.39	77	GLOB UNIF	WV	0 1
705	LOAD	Z	632	703	17.55-	09	4.39-	09	GLOB UNIF	WV	0 1
706	LOAD	X	635	706	0.00-	28	4.39-	26	GLOB UNIF	WV	0 1
707	LOAD	Y	635	706	0.00	44	4.39	42	GLOB UNIF	WV	0 1
708	LOAD	Z	635	706	0.00	36	4.39	35	GLOB UNIF	WV	0 1
709	LOAD	X	635	706	4.39-	26	4.39-	25	GLOB UNIF	WV	0 1
710	LOAD	Y	635	706	4.39	42	4.39	40	GLOB UNIF	WV	0 1
711	LOAD	Z	635	706	4.39	35	4.39	33	GLOB UNIF	WV	0 1
712	LOAD	X	635	706	8.77-	25	4.39-	23	GLOB UNIF	WV	0 1
713	LOAD	Y	635	706	8.77	40	4.39	37	GLOB UNIF	WV	0 1
714	LOAD	Z	635	706	8.77	33	4.39	32	GLOB UNIF	WV	0 1
715	LOAD	X	635	706	13.16-	23	4.39-	21	GLOB UNIF	WV	0 1
716	LOAD	Y	635	706	13.16	37	4.39	35	GLOB UNIF	WV	0 1
717	LOAD	Z	635	706	13.16	32	4.39	30	GLOB UNIF	WV	0 1
718	LOAD	X	635	706	17.55-	21	4.39-	20	GLOB UNIF	WV	0 1
719	LOAD	Y	635	706	17.55	35	4.39	34	GLOB UNIF	WV	0 1
720	LOAD	Z	635	706	17.55	30	4.39	29	GLOB UNIF	WV	0 1
721	LOAD	X	634	701	0.00	27	4.39	26	GLOB UNIF	WV	0 1
722	LOAD	Y	634	701	0.00	59	4.39	57	GLOB UNIF	WV	0 1
723	LOAD	Z	634	701	0.00-	47	4.39-	45	GLOB UNIF	WV	0 1
724	LOAD	X	634	701	4.39	26	4.39	24	GLOB UNIF	WV	0 1
725	LOAD	Y	634	701	4.39	57	4.39	54	GLOB UNIF	WV	0 1
726	LOAD	Z	634	701	4.39-	45	4.39-	43	GLOB UNIF	WV	0 1
727	LOAD	X	634	701	8.77	24	4.39	23	GLOB UNIF	WV	0 1
728	LOAD	Y	634	701	8.77	54	4.39	52	GLOB UNIF	WV	0 1
729	LOAD	Z	634	701	8.77-	43	4.39-	41	GLOB UNIF	WV	0 1
730	LOAD	X	634	701	13.16	23	4.39	21	GLOB UNIF	WV	0 1
731	LOA[illegible]	Y	634	701	13.16	52	4.39	49	GLOB UNIF	WV	0 1
732	LOAD	Z	634	701	13.16-	41	4.39-	39	GLOB UNIF	WV	0 1
733	LOAD	X	634	701	17.55	21	4.39	20	GLOB UNIF	WV	0 1
734	LOAD	Y	634	701	17.55	49	4.39	46	GLOB UNIF	WV	0 1
735	LOAD	Z	634	701	17.55-	39	4.39-	37	GLOB UNIF	WV	0 1
736	LOAD	Y	701	702	0.00	52	3.75	52	GLOB UNIF	WV	0 1
737	LOAD	Z	701	702	0.00-	03	3.75-	03	GLOB UNIF	WV	0 1
738	LOAD	Y	701	702	3.75	52	3.75	52	GLOB UNIF	WV	0 1
739	LOAD	Z	701	702	3.75-	03	3.75-	03	GLOB UNIF	WV	0 1
740	LOAD	Y	701	702	7.50	52	3.75	52	GLOB UNIF	WV	0 1
741	LOAD	Z	701	702	7.50-	03	3.75-	03	GLOB UNIF	WV	0 1
742	LOAD	Y	701	702	11.26	52	3.75	52	GLOB UNIF	WV	0 1

LINE NO.												
743	LOAD	Z	701	702	11.26-	03	3.75-	03	GLOB UNIF	WV	0	1
744	LOAD	Y	701	702	15.01	52	3.75	52	GLOB UNIF	WV	0	1
745	LOAD	Z	701	702	15.01-	03	3.75-	03	GLOB UNIF	WV	0	1
746	LOAD	Y	702	703	0.00	52	3.75	52	GLOB UNIF	WV	0	1
747	LOAD	Z	702	703	0.00-	03	3.75-	03	GLOB UNIF	WV	0	1
748	LOAD	Y	702	703	3.75	52	3.75	52	GLOB UNIF	WV	0	1
749	LOAD	Z	702	703	3.75-	03	3.75-	03	GLOB UNIF	WV	0	1
750	LOAD	Y	702	703	7.50	52	3.75	52	GLOB UNIF	WV	0	1
751	LOAD	Z	702	703	7.50-	03	3.75-	03	GLOB UNIF	WV	0	1
752	LOAD	Y	702	703	11.26	52	3.75	52	GLOB UNIF	WV	0	1
753	LOAD	Z	702	703	11.26-	03	3.75-	03	GLOB UNIF	WV	0	1
754	LOAD	Y	702	703	15.01	52	3.75	52	GLOB UNIF	WV	0	1
755	LOAD	Z	702	703	15.01-	03	3.75-	03	GLOB UNIF	WV	0	1
756	LOAD	X	703	705	0.00-	22	3.75-	22	GLOB UNIF	WV	0	1
757	LOAD	Y	703	705	0.00	13	3.75	13	GLOB UNIF	WV	0	1
758	LOAD	Z	703	705	0.00-	03	3.75-	03	GLOB UNIF	WV	0	1
759	LOAD	X	703	705	3.75-	22	3.75-	22	GLOB UNIF	WV	0	1
760	LOAD	Y	703	705	3.75	13	3.75	13	GLOB UNIF	WV	0	1
761	LOAD	Z	703	705	3.75-	03	3.75-	03	GLOB UNIF	WV	0	1
762	LOAD	X	703	705	7.50-	22	3.75-	22	GLOB UNIF	WV	0	1
763	LOAD	Y	703	705	7.50	13	3.75	13	GLOB UNIF	WV	0	1
764	LOAD	Z	703	705	7.50-	03	3.75-	03	GLOB UNIF	WV	0	1
765	LOAD	X	703	705	11.25-	22	3.75-	22	GLOB UNIF	WV	0	1
766	LOAD	Y	703	705	11.25	13	3.75	13	GLOB UNIF	WV	0	1
767	LOAD	Z	703	705	11.25-	03	3.75-	02	GLOB UNIF	WV	0	1
768	LOAD	X	703	705	15.00-	22	3.75-	22	GLOB UNIF	WV	0	1
769	LOAD	Y	703	705	15.00	13	3.75	13	GLOB UNIF	WV	0	1
770	LOAD	Z	703	705	15.00-	02	3.75-	02	GLOB UNIF	WV	0	1
771	LOAD	X	705	706	0.00-	22	3.75-	22	GLOB UNIF	WV	0	1
772	LOAD	Y	705	706	0.00	13	3.75	13	GLOB UNIF	WV	0	1
773	LOAD	Z	705	706	0.00-	02	3.75-	02	GLOB UNIF	WV	0	1
774	LOAD	X	705	706	3.75-	22	3.75-	21	GLOB UNIF	WV	0	1
775	LOAD	Y	705	706	3.75	13	3.75	12	GLOB UNIF	WV	0	1
776	LOAD	Z	705	706	3.75-	02	3.75-	1	GLOB UNIF	WV	0	1
777	LOAD	X	705	706	7.51-	21	3.75-	21	GLOB UNIF	WV	0	1
778	LOAD	Y	705	706	7.51	12	3.75	12	GLOB UNIF	WV	0	1
779	LOAD	Z	705	706	7.51-	1	3.75-	1	GLOB UNIF	WV	0	1
780	LOAD	X	705	706	11.25-	21	3.75-	20	GLOB UNIF	WV	0	1
781	LOAD	Y	705	706	11.26	12	3.75	12	GLOB UNIF	WV	0	1
782	LOAD	Z	705	706	11.26-	1	3.75		GLOB UNIF	WV	0	1
783	LOAD	X	705	706	15.01-	20	3.75-	20	GLOB UNIF	WV	0	1
784	LOAD	Y	705	706	15.01	12	3.75	12	GLOB UNIF	WV	0	1
785	LOAD	X	701	704	0.00	22	3.75	22	GLOB UNIF	WV	0	1
786	LOAD	Y	701	704	0.00	13	3.75	13	GLOB UNIF	WV	0	1
787	LOAD	Z	701	704	0.00-	03	3.75-	03	GLOB UNIF	WV	0	1
788	LOAD	X	701	704	3.75	22	3.75	22	GLOB UNIF	WV	0	1
789	LOAD	Y	701	704	3.75	13	3.75	13	GLOB UNIF	WV	0	1
790	LOAD	Z	701	704	3.75-	03	3.75-	03	GLOB UNIF	WV	0	1
791	LOAD	X	701	704	7.50	22	3.75	22	GLOB UNIF	WV	0	1
792	LOAD	Y	701	704	7.50	13	3.75	13	GLOB UNIF	WV	0	1

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
793	LOAD	Z	701	704	7.50-	03	3.75-	03	GLOB	UNIF	WV 0 1
794	LOAD	X	701	704	11.25	22	3.75	22	GLOB	UNIF	WV 0 1
795	LOAD	Y	701	704	11.25	13	3.75	13	GLOB	UNIF	WV 0 1
796	LOAD	Z	701	704	11.25-	03	3.75-	02	GLOB	UNIF	WV 0 1
797	LOAD	X	701	704	15.00	22	3.75	22	GLOB	UNIF	WV 0 1
798	LOAD	Y	701	704	15.00	13	3.75	13	GLOB	UNIF	WV 0 1
799	LOAD	Z	701	704	15.00-	02	3.75-	02	GLOB	UNIF	WV 0 1
800	LOAD	X	704	706	0.00	22	3.75	22	GLOB	UNIF	WV 0 1
801	LOAD	Y	704	706	0.00	13	3.75	13	GLOB	UNIF	WV 0 1
802	LOAD	Z	704	706	0.00-	02	3.75-	02	GLOB	UNIF	WV 0 1
803	LOAD	X	704	706	3.75	22	3.75	21	GLOB	UNIF	WV 0 1
804	LOAD	Y	704	706	3.75	13	3.75	12	GLOB	UNIF	WV 0 1
805	LOAD	Z	704	706	3.75-	02	3.75-	1	GLOB	UNIF	WV 0 1
806	LOAD	X	704	706	7.51	21	3.75	21	GLOB	UNIF	WV 0 1
807	LOAD	Y	704	706	7.51	12	3.75	12	GLOB	UNIF	WV 0 1
808	LOAD	Z	704	706	7.51-	1	3.75-	1	GLOB	UNIF	WV 0 1
809	LOAD	X	704	706	11.26	21	3.75	20	GLOB	UNIF	WV 0 1
810	LOAD	Y	704	706	11.26	12	3.75	12	GLOB	UNIF	WV 0 1
811	LOAD	Z	704	706	11.26-	1	3.75		GLOB	UNIF	WV 0 1
812	LOAD	X	704	706	15.01	20	3.75	20	GLOB	UNIF	WV 0 1
813	LOAD	Y	704	706	15.01	12	3.75	12	GLOB	UNIF	WV 0 1
814	LOAD	X	702	704	0.00-	19	3.75-	19	GLOB	UNIF	WV 0 1
815	LOAD	Y	702	704	0.00	11	3.75	11	GLOB	UNIF	WV 0 1
816	LOAD	Z	702	704	0.00-	02	3.75-	02	GLOB	UNIF	WV 0 1
817	LOAD	X	702	704	3.75-	19	3.75-	19	GLOB	UNIF	WV 0 1
818	LOAD	Y	702	704	3.75	11	3.75	11	GLOB	UNIF	WV 0 1
819	LOAD	Z	702	704	3.75-	02	3.75-	02	GLOB	UNIF	WV 0 1
820	LOAD	X	702	704	7.50-	19	3.75-	19	GLOB	UNIF	WV 0 1
821	LOAD	Y	702	704	7.50	11	3.75	11	GLOB	UNIF	WV 0 1
822	LOAD	Z	702	704	7.50-	02	3.75-	02	GLOB	UNIF	WV 0 1
823	LOAD	X	702	704	11.25-	19	3.75-	19	GLOB	UNIF	WV 0 1
824	LOAD	Y	702	704	11.25	11	3.75	11	GLOB	UNIF	WV 0 1
825	LOAD	Z	702	704	11.25-	02	3.75-	1	GLOB	UNIF	WV 0 1
826	LOAD	X	702	704	15.00-	19	3.75-	19	GLOB	UNIF	WV 0 1
827	LOAD	Y	702	704	15.00	11	3.75	11	GLOB	UNIF	WV 0 1
828	LOAD	Z	702	704	15.00-	1	3.75-	1	GLOB	UNIF	WV 0 1
829	LOAD	X	702	705	0.00	19	3.75	19	GLOB	UNIF	WV 0 1
830	LOAD	Y	702	705	0.00	11	3.75	11	GLOB	UNIF	WV 0 1
831	LOAD	Z	702	705	0.00-	02	3.75-	02	GLOB	UNIF	WV 0 1
832	LOAD	X	702	705	3.75	19	3.75	19	GLOB	UNIF	WV 0 1
833	LOAD	Y	702	705	3.75	11	3.75	11	GLOB	UNIF	WV 0 1
834	LOAD	Z	702	705	3.75-	02	3.75-	02	GLOB	UNIF	WV 0 1
835	LOAD	X	702	705	7.50	19	3.75	19	GLOB	UNIF	WV 0 1
836	LOAD	Y	702	705	7.50	11	3.75	11	GLOB	UNIF	WV 0 1
837	LOAD	Z	702	705	7.50-	02	3.75-	02	GLOB	UNIF	WV 0 1
838	LOAD	X	702	705	11.25	19	3.75	19	GLOB	UNIF	WV 0 1
839	LOAD	Y	702	705	11.25	11	3.75	11	GLOB	UNIF	WV 0 1
840	LOAD	Z	702	705	11.25-	02	3.75-	1	GLOB	UNIF	WV 0 1
841	LOAD	X	702	705	15.00	19	3.75	19	GLOB	UNIF	WV 0 1
842	LOAD	Y	702	705	15.00	11	3.75	11	GLOB	UNIF	WV 0 1

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                         1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
643	LOAD	Z	702	705	15.00-	1	3.75-	1	GLOB	UNIF	WV	0	1
644	LOAD	Y	704	705	0.00	44	3.75	44	GLOB	UNIF	WV	0	1
645	LOAD	Z	704	705	0.00-	1	3.75-	1	GLOB	UNIF	WV	0	1
646	LOAD	Y	704	705	3.75	44	3.75	44	GLOB	UNIF	WV	0	1
647	LOAD	Z	704	705	3.75-	1	3.75-	1	GLOB	UNIF	WV	0	1
648	LOAD	Y	704	705	7.50	44	3.75	44	GLOB	UNIF	WV	0	1
649	LOAD	Z	704	705	7.50-	1	3.75-	1	GLOB	UNIF	WV	0	1
650	LOAD	Y	704	705	11.26	44	3.75	44	GLOB	UNIF	WV	0	1
651	LOAD	Z	704	705	11.26-	1	3.75-	1	GLOB	UNIF	WV	0	1
652	LOAD	Y	704	705	15.01	44	3.75	44	GLOB	UNIF	WV	0	1
653	LOAD	Z	704	705	15.01-	1	3.75-	1	GLOB	UNIF	WV	0	1
654	LOAD	X	701	806	0.00	21	10.89	19	GLOB	UNIF	WV	0	1
655	LOAD	Y	701	806	0.00	35	10.89	31	GLOB	UNIF	WV	0	1
656	LOAD	Z	701	806	0.00	27	10.89	25	GLOB	UNIF	WV	0	1
657	LOAD	X	701	806	10.89	19	10.89	17	GLOB	UNIF	WV	0	1
658	LOAD	Y	701	806	10.89	31	10.89	29	GLOB	UNIF	WV	0	1
659	LOAD	Z	701	806	10.89	25	10.89	23	GLOB	UNIF	WV	0	1
660	LOAD	X	701	806	21.78	17	10.89	15	GLOB	UNIF	WV	0	1
661	LOAD	Y	701	806	21.78	29	10.89	27	GLOB	UNIF	WV	0	1
662	LOAD	Z	701	806	21.78	23	10.89	22	GLOB	UNIF	WV	0	1
663	LOAD	X	701	806	32.67	15	10.89	13	GLOB	UNIF	WV	0	1
664	LOAD	Y	701	806	32.67	27	10.89	24	GLOB	UNIF	WV	0	1
665	LOAD	Z	701	806	32.67	22	10.89	20	GLOB	UNIF	WV	0	1
666	LOAD	X	701	806	43.56	13	10.89	12	GLOB	UNIF	WV	0	1
667	LOAD	Y	701	806	43.56	24	10.89	22	GLOB	UNIF	WV	0	1
668	LOAD	Z	701	806	43.56	20	10.89	18	GLOB	UNIF	WV	0	1
669	LOAD	X	703	801	0.00-	02	10.89-	02	GLOB	UNIF	WV	0	1
670	LOAD	Y	703	801	0.00	77	10.89	68	GLOB	UNIF	WV	0	1
671	LOAD	Z	703	801	0.00-	09	10.89-	08	GLOB	UNIF	WV	0	1
672	LOAD	X	703	801	10.89-	02	10.89-	1	GLOB	UNIF	WV	0	1
673	LOAD	Y	703	801	10.89	68	10.89	62	GLOB	UNIF	WV	0	1
674	LOAD	Z	703	801	10.89-	08	10.89-	07	GLOB	UNIF	WV	0	1
675	LOAD	X	703	801	21.78-	1	10.89-	1	GLOB	UNIF	WV	0	1
676	LOAD	Y	703	801	21.78	62	10.89	56	GLOB	UNIF	WV	0	1
677	LOAD	Z	703	801	21.78-	07	10.89-	06	GLOB	UNIF	WV	0	1
678	LOAD	X	703	801	32.66-	1	10.89-	1	GLOB	UNIF	WV	0	1
679	LOAD	Y	703	801	32.66	56	10.89	50	GLOB	UNIF	WV	0	1
680	LOAD	Z	703	801	32.66-	06	10.89-	05	GLOB	UNIF	WV	0	1
681	LOAD	X	703	801	43.55-	1	10.89		GLOB	UNIF	WV	0	1
682	LOAD	Y	703	801	43.55	50	10.89	46	GLOB	UNIF	WV	0	1
683	LOAD	Z	703	801	43.55-	05	10.89-	04	GLOB	UNIF	WV	0	1
684	LOAD	X	705	803	0.00-	20	10.89-	17	GLOB	UNIF	WV	0	1
685	LOAD	Y	706	803	0.00	45	10.89	42	GLOB	UNIF	WV	0	1
686	LOAD	Z	706	803	0.00-	33	10.89-	31	GLOB	UNIF	WV	0	1
687	LOAD	X	706	803	10.89-	17	10.89-	16	GLOB	UNIF	WV	0	1
688	LOAD	Y	706	803	10.89	42	10.89	39	GLOB	UNIF	WV	0	1
689	LOAD	Z	706	803	10.89-	31	10.89-	30	GLOB	UNIF	WV	0	1
690	LOAD	X	706	803	21.77-	16	10.89-	14	GLOB	UNIF	WV	0	1
691	LOAD	Y	706	803	21.77	39	10.89	36	GLOB	UNIF	WV	0	1
692	LOAD	Z	706	803	21.77-	30	10.89-	27	GLOB	UNIF	WV	0	1

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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893	LOAD	X	706	803	32.66-	14	10.69-	13	GLOB	UNIF	WV	0 1
894	LOAD	Y	706	803	32.66	36	10.69	32	GLOB	UNIF	WV	0 1
895	LOAD	Z	706	803	32.66-	27	10.69-	24	GLOB	UNIF	WV	0 1
896	LOAD	X	706	803	45.55-	13	10.69-	12	GLOB	UNIF	WV	0 1
897	LOAD	Y	706	803	45.55	32	10.69	29	GLOB	UNIF	WV	0 1
898	LOAD	Z	706	803	45.55-	24	10.69-	22	GLOB	UNIF	WV	0 1
899	LOAD	Y	801	802	0.00	38	4.73	38	GLOB	UNIF	WV	0 1
900	LOAD	Z	801	802	0.00-	03	4.73-	03	GLOB	UNIF	WV	0 1
901	LOAD	Y	801	802	4.73	38	4.73	38	GLOB	UNIF	WV	0 1
902	LOAD	Z	801	802	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 1
903	LOAD	Y	801	802	9.46	38	4.73	38	GLOB	UNIF	WV	0 1
904	LOAD	Z	801	802	9.46-	03	4.73-	03	GLOB	UNIF	WV	0 1
905	LOAD	Y	801	802	14.20	38	4.73	38	GLOB	UNIF	WV	0 1
906	LOAD	Z	801	802	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 1
907	LOAD	Y	801	802	18.93	38	4.73	38	GLOB	UNIF	WV	0 1
908	LOAD	Z	801	802	18.93-	03	4.73-	03	GLOB	UNIF	WV	0 1
909	LOAD	Y	802	803	0.00	38	4.73	38	GLOB	UNIF	WV	0 1
910	LOAD	Z	802	803	0.00-	03	4.73-	03	GLOB	UNIF	WV	0 1
911	LOAD	Y	802	803	4.73	38	4.73	38	GLOB	UNIF	WV	0 1
912	LOAD	Z	802	803	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 1
913	LOAD	Y	802	803	9.46	38	4.73	38	GLOB	UNIF	WV	0 1
914	LOAD	Z	802	803	9.46-	03	4.73-	03	GLOB	UNIF	WV	0 1
915	LOAD	Y	802	803	14.20	38	4.73	38	GLOB	UNIF	WV	0 1
916	LOAD	Z	802	803	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 1
917	LOAD	Y	802	803	18.93	38	4.73	38	GLOB	UNIF	WV	0 1
918	LOAD	Z	802	803	18.93-	03	4.73-	03	GLOB	UNIF	WV	0 1
919	LOAD	X	803	805	0.00-	16	4.73-	17	GLOB	UNIF	WV	0 1
920	LOAD	Y	803	805	0.00	09	4.73	10	GLOB	UNIF	WV	0 1
921	LOAD	Z	803	805	0.00-	03	4.73-	03	GLOB	UNIF	WV	0 1
922	LOAD	X	803	805	4.73-	17	4.73-	17	GLOB	UNIF	WV	0 1
923	LOAD	Y	803	805	4.73	10	4.73	10	GLOB	UNIF	WV	0 1
924	LOAD	Z	803	805	4.73-	03	4.73-	02	GLOB	UNIF	WV	0 1
925	LOAD	X	803	805	9.46-	17	4.73-	17	GLOB	UNIF	WV	0 1
926	LOAD	Y	803	805	9.46	10	4.73	10	GLOB	UNIF	WV	0 1
927	LOAD	Z	803	805	9.46-	02	4.73-	02	GLOB	UNIF	WV	0 1
928	LOAD	X	803	805	14.20-	17	4.73-	17	GLOB	UNIF	WV	0 1
929	LOAD	Y	803	805	14.20	10	4.73	10	GLOB	UNIF	WV	0 1
930	LOAD	Z	803	805	14.20-	02	4.73-	02	GLOB	UNIF	WV	0 1
931	LOAD	X	803	805	18.93-	17	4.73-	17	GLOB	UNIF	WV	0 1
932	LOAD	Y	803	805	18.93	10	4.73	10	GLOB	UNIF	WV	0 1
933	LOAD	Z	803	805	18.93-	02	4.73-	02	GLOB	UNIF	WV	0 1
934	LOAD	X	805	806	0.00-	17	4.73-	16	GLOB	UNIF	WV	0 1
935	LOAD	Y	805	806	0.00	10	4.73	09	GLOB	UNIF	WV	0 1
936	LOAD	Z	805	806	0.00-	02	4.73-	02	GLOB	UNIF	WV	0 1
937	LOAD	X	805	806	4.73-	16	4.73-	16	GLOB	UNIF	WV	0 1
938	LOAD	Y	805	806	4.73	09	4.73	09	GLOB	UNIF	WV	0 1
939	LOAD	Z	805	806	4.73-	02	4.73-	02	GLOB	UNIF	WV	0 1
940	LOAD	X	805	806	9.47-	16	4.73-	16	GLOB	UNIF	WV	0 1
941	LOAD	Y	805	806	9.47	09	4.73	09	GLOB	UNIF	WV	0 1
942	LOAD	Z	805	806	9.47-	02	4.73-	02	GLOB	UNIF	WV	0 1

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8

  943  LOAD X  805 806   14.20-    16   4.73-    16              GLOB UNIF    WV 0 1
  944  LOAD Y  805 806   14.20     09   4.73     09              GLOB UNIF    WV 0 1
  945  LOAD Z  805 806   14.20-    02   4.73-    02              GLOB UNIF    WV 0 1
  946  LOAD X  805 806   18.93-    16   4.73-    16              GLOB UNIF    WV 0 1
  947  LOAD Y  805 806   18.93     09   4.73     09              GLOB UNIF    WV 0 1
  948  LOAD Z  805 806   18.93-    02   4.73-    02              GLOB UNIF    WV 0 1
  949  LOAD X  801 804    0.00     16   4.73     17              GLOB UNIF    WV 0 1
  950  LOAD Y  801 804    0.00     09   4.73     10              GLOB UNIF    WV 0 1
  951  LOAD Z  801 804    0.00-    03   4.73-    03              GLOB UNIF    WV 0 1
  952  LOAD X  801 804    4.73     17   4.73     17              GLOB UNIF    WV 0 1
  953  LOAD Y  801 804    4.73     10   4.73     10              GLOB UNIF    WV 0 1
  954  LOAD Z  801 804    4.73-    03   4.73-    02              GLOB UNIF    WV 0 1
  955  LOAD X  801 804    9.46     17   4.73     17              GLOB UNIF    WV 0 1
  956  LOAD Y  801 804    9.46     10   4.73     10              GLOB UNIF    WV 0 1
  957  LOAD Z  801 804    9.46-    02   4.73-    02              GLOB UNIF    WV 0 1
  958  LOAD X  801 804   14.20     17   4.73     17              GLOB UNIF    WV 0 1
  959  LOAD Y  801 804   14.20     10   4.73     10              GLOB UNIF    WV 0 1
  960  LOAD Z  801 804   14.20-    02   4.73-    02              GLOB UNIF    WV 0 1
  961  LOAD X  801 804   18.93     17   4.73     17              GLOB UNIF    WV 0 1
  962  LOAD Y  801 804   18.93     10   4.73     10              GLOB UNIF    WV 0 1
  963  LOAD Z  801 804   18.93-    02   4.73-    02              GLOB UNIF    WV 0 1
  964  LOAD X  804 806    0.00     17   4.73     16              GLOB UNIF    WV 0 1
  965  LOAD Y  804 806    0.00     10   4.73     09              GLOB UNIF    WV 0 1
  966  LOAD Z  804 806    0.00-    02   4.73-    02              GLOB UNIF    WV 0 1
  967  LOAD X  804 806    4.73     16   4.73     16              GLOB UNIF    WV 0 1
  968  LOAD Y  804 806    4.73     09   4.73     09              GLOB UNIF    WV 0 1
  969  LOAD Z  804 806    4.73-    02   4.73-    02              GLOB UNIF    WV 0 1
  970  LOAD X  804 806    9.47     16   4.73     16              GLOB UNIF    WV 0 1
  971  LOAD Y  804 806    9.47     09   4.73     09              GLOB UNIF    WV 0 1
  972  LOAD Z  804 806    9.47-    02   4.73-    02              GLOB UNIF    WV 0 1
  973  LOAD X  804 806   14.20     16   4.73     16              GLOB UNIF    WV 0 1
  974  LOAD Y  804 806   14.20     09   4.73     09              GLOB UNIF    WV 0 1
  975  LOAD Z  804 806   14.20-    02   4.73-    02              GLOB UNIF    WV 0 1
  976  LOAD X  804 806   18.93     16   4.73     16              GLOB UNIF    WV 0 1
  977  LOAD Y  804 806   18.93     09   4.73     09              GLOB UNIF    WV 0 1
  978  LOAD Z  804 806   18.93-    02   4.73-    02              GLOB UNIF    WV 0 1
  979  LOAD X  802 804    0.00-    12   4.73-    12              GLOB UNIF    WV 0 1
  980  LOAD Y  802 804    0.00     07   4.73     07              GLOB UNIF    WV 0 1
  981  LOAD Z  802 804    0.00-     1   4.73-     1              GLOB UNIF    WV 0 1
  982  LOAD X  802 804    4.73-    12   4.73-    12              GLOB UNIF    WV 0 1
  983  LOAD Y  802 804    4.73     07   4.73     07              GLOB UNIF    WV 0 1
  984  LOAD Z  802 804    4.73-     1   4.73-     1              GLOB UNIF    WV 0 1
  985  LOAD X  802 804    9.46-    12   4.73-    12              GLOB UNIF    WV 0 1
  986  LOAD Y  802 804    9.46     07   4.73     07              GLOB UNIF    WV 0 1
  987  LOAD Z  802 804    9.46-     1   4.73-     1              GLOB UNIF    WV 0 1
  988  LOAD X  802 804   14.20-    12   4.73-    12              GLOB UNIF    WV 0 1
  989  LOAD Y  802 804   14.20     07   4.73     07              GLOB UNIF    WV 0 1
  990  LOAD Z  802 804   14.20-     1   4.73-     1              GLOB UNIF    WV 0 1
  991  LOAD X  802 804   18.93-    12   4.73-    11              GLOB UNIF    WV 0 1
  992  LOAD Y  802 804   18.93     07   4.73     07              GLOB UNIF    WV 0 1
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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   993  LOAD Z  802 804   18.93-     1    4.73-     1           GLOB UNIF     WV 0 1
   994  LOAD X  802 805    0.00     12    4.73     12           GLOB UNIF     WV 0 1
   995  LOAD Y  802 805    0.00     07    4.73     07           GLOB UNIF     WV 0 1
   996  LOAD Z  802 805    0.00-     1    4.73-     1           GLOB UNIF     WV 0 1
   997  LOAD X  802 805    4.73     12    4.73     12           GLOB UNIF     WV 0 1
   998  LOAD Y  802 805    4.73     07    4.73     07           GLOB UNIF     WV 0 1
   999  LOAD Z  802 805    4.73-     1    4.73-     1           GLOB UNIF     WV 0 1
  1000  LOAD X  802 805    9.46     12    4.73     12           GLOB UNIF     WV 0 1
  1001  LOAD Y  802 805    9.46     07    4.73     07           GLOB UNIF     WV 0 1
  1002  LOAD Z  802 805    9.46-     1    4.73-     1           GLOB UNIF     WV 0 1
  1003  LOAD X  802 805   14.20     12    4.73     12           GLOB UNIF     WV 0 1
  1004  LOAD Y  802 805   14.20     07    4.73     07           GLOB UNIF     WV 0 1
  1005  LOAD Z  802 805   14.20-     1    4.73-     1           GLOB UNIF     WV 0 1
  1006  LOAD X  802 805   18.93     12    4.73     11           GLOB UNIF     WV 0 1
  1007  LOAD Y  802 805   18.93     07    4.73     07           GLOB UNIF     WV 0 1
  1008  LOAD Z  802 805   18.93-     1    4.73-     1           GLOB UNIF     WV 0 1
  1009  LOAD Y  804 805    0.00     27    4.73     27           GLOB UNIF     WV 0 1
  1010  LOAD Z  804 805    0.00-     1    4.73-     1           GLOB UNIF     WV 0 1
  1011  LOAD Y  804 805    4.73     27    4.73     27           GLOB UNIF     WV 0 1
  1012  LOAD Z  804 805    4.73-     1    4.73-     1           GLOB UNIF     WV 0 1
  1013  LOAD Y  804 805    9.46     27    4.73     27           GLOB UNIF     WV 0 1
  1014  LOAD Z  804 805    9.46-     1    4.73-     1           GLOB UNIF     WV 0 1
  1015  LOAD Y  804 805   14.20     27    4.73     27           GLOB UNIF     WV 0 1
  1016  LOAD Z  804 805   14.20-     1    4.73-     1           GLOB UNIF     WV 0 1
  1017  LOAD Y  804 805   18.93     27    4.73     27           GLOB UNIF     WV 0 1
  1018  LOAD Z  804 805   18.93-     1    4.73-     1           GLOB UNIF     WV 0 1
  1019  LOAD Y  8011002    0.00     36    4.15     36           GLOB UNIF     WV 0 1
  1020  LOAD Z  8011002    0.00-    03    4.15-    03           GLOB UNIF     WV 0 1
  1021  LOAD Y  8011002    4.15     36    4.15     35           GLOB UNIF     WV 0 1
  1022  LOAD Z  8011002    4.15-    03    4.15-    03           GLOB UNIF     WV 0 1
  1023  LOAD Y  8011002    8.30     35    4.15     34           GLOB UNIF     WV 0 1
  1024  LOAD Z  8011002    8.30-    03    4.15-    02           GLOB UNIF     WV 0 1
  1025  LOAD X  8011002   12.46           4.15-     1           GLOB UNIF     WV 0 1
  1026  LOAD Y  8011002   12.46     34    4.15     32           GLOB UNIF     WV 0 1
  1027  LOAD Z  8011002   12.46-    02    4.15-    02           GLOB UNIF     WV 0 1
  1028  LOAD X  8011002   16.61-     1    4.15-     1           GLOB UNIF     WV 0 1
  1029  LOAD Y  8011002   16.61     32    4.15     31           GLOB UNIF     WV 0 1
  1030  LOAD Z  8011002   16.61-    02    4.15-    02           GLOB UNIF     WV 0 1
  1031  LOAD X  8011002   20.76-     1    4.15-     1           GLOB UNIF     WV 0 1
  1032  LOAD Y  8011002   20.76     31    4.15     30           GLOB UNIF     WV 0 1
  1033  LOAD Z  8011002   20.76-    02    4.15-    02           GLOB UNIF     WV 0 1
  1034  LOAD X  8011002   24.91-     1    4.15-     1           GLOB UNIF     WV 0 1
  1035  LOAD Y  8011002   24.91     30    4.15     30           GLOB UNIF     WV 0 1
  1036  LOAD Z  8011002   24.91-    02    4.15-    02           GLOB UNIF     WV 0 1
  1037  LOAD X  8011002   29.06-     1    1.44                  GLOB UNIF     WV 0 1
  1038  LOAD X  8011002   30.51           2.71      1           GLOB UNIF     WV 0 1
  1039  LOAD Y  8011002   29.06     30    4.15     21           GLOB UNIF     WV 0 1
  1040  LOAD Z  8011002   29.06-    02    4.15-    03           GLOB UNIF     WV 0 1
  1041  LOAD X  8011002   33.21      1    4.15      1           GLOB UNIF     WV 0 1
  1042  LOAD Y  8011002   33.21     21    4.15     11           GLOB UNIF     WV 0 1
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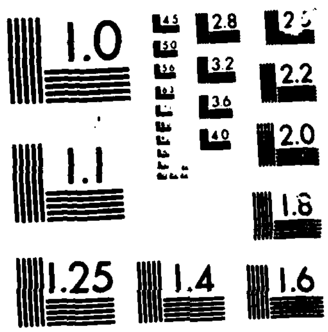
LINE NO.										
1043	LOAD Z	M011002	33.21-	03	4.15-	1	GLOB	UNIF	WV	0 1
1044	LOAD X	M011002	37.37	1	3.63		GLOB	UNIF	WV	0 1
1045	LOAD Y	M011002	37.37	11	4.15	02	GLOB	UNIF	WV	0 1
1046	LOAD Z	M011002	37.37-	1	4.15		GLOB	UNIF	WV	0 1
1047	LOAD Y	M051002	0.00	38	4.15	36	GLOB	UNIF	WV	0 1
1048	LOAD Z	M051002	0.00-	03	4.15-	03	GLOB	UNIF	WV	0 1
1049	LOAD Y	M051002	4.15	36	4.15	35	GLOB	UNIF	WV	0 1
1050	LOAD Z	M051002	4.15-	03	4.15-	03	GLOB	UNIF	WV	0 1
1051	LOAD Y	M051002	8.30	35	4.15	34	GLOB	UNIF	WV	0 1
1052	LOAD Z	M051002	8.30-	03	4.15-	02	GLOB	UNIF	WV	0 1
1053	LOAD X	M051002	12.46		4.15	1	GLOB	UNIF	WV	0 1
1054	LOAD Y	M051002	12.46	34	4.15	32	GLOB	UNIF	WV	0 1
1055	LOAD Z	M051002	12.46-	02	4.15-	02	GLOB	UNIF	WV	0 1
1056	LOAD X	M051002	16.61	1	4.15	1	GLOB	UNIF	WV	0 1
1057	LOAD Y	M051002	16.61	32	4.15	31	GLOB	UNIF	WV	0 1
1058	LOAD Z	M051002	16.61-	02	4.15-	02	GLOB	UNIF	WV	0 1
1059	LOAD X	M051002	20.76	1	4.15	1	GLOB	UNIF	WV	0 1
1060	LOAD Y	M051002	20.76	31	4.15	30	GLOB	UNIF	WV	0 1
1061	LOAD Z	M051002	20.76-	02	4.15-	02	GLOB	UNIF	WV	0 1
1062	LOAD X	M051002	24.91	1	4.15	1	GLOB	UNIF	WV	0 1
1063	LOAD Y	M051002	24.91	30	4.15	30	GLOB	UNIF	WV	0 1
1064	LOAD Z	M051002	24.91-	02	4.15-	02	GLOB	UNIF	WV	0 1
1065	LOAD X	M051002	29.06	1	1.44		GLOB	UNIF	WV	0 1
1066	LOAD X	M051002	30.51		2.71-	1	GLOB	UNIF	WV	0 1
1067	LOAD Y	M051002	29.06	30	4.15	21	GLOB	UNIF	WV	0 1
1068	LOAD Z	M051002	29.06-	02	4.15-	03	GLOB	UNIF	WV	0 1
1069	LOAD X	M051002	33.21-	1	4.15-	1	GLOB	UNIF	WV	0 1
1070	LOAD Y	M051002	33.21	21	4.15	11	GLOB	UNIF	WV	0 1
1071	LOAD Z	M051002	33.21-	03	4.15-	1	GLOB	UNIF	WV	0 1
1072	LOAD X	M051002	37.37-	1	3.63		GLOB	UNIF	WV	0 1
1073	LOAD Y	M051002	37.37	11	4.15	02	GLOB	UNIF	WV	0 1
1074	LOAD Z	M051002	37.37-	1	4.15		GLOB	UNIF	WV	0 1
1075	LOAD X	M051005	0.00-	05	4.15-	05	GLOB	UNIF	WV	0 1
1076	LOAD Y	M051005	0.00	26	4.15	26	GLOB	UNIF	WV	0 1
1077	LOAD Z	M051005	0.00	15	4.15	15	GLOB	UNIF	WV	0 1
1078	LOAD X	M051005	4.15-	05	4.15-	05	GLOB	UNIF	WV	0 1
1079	LOAD Y	M051005	4.15	26	4.15	25	GLOB	UNIF	WV	0 1
1080	LOAD Z	M051005	4.15	15	4.15	15	GLOB	UNIF	WV	0 1
1081	LOAD X	M051005	8.30-	05	4.15-	04	GLOB	UNIF	WV	0 1
1082	LOAD Y	M051005	8.30	25	4.15	24	GLOB	UNIF	WV	0 1
1083	LOAD Z	M051005	8.30	15	4.15	14	GLOB	UNIF	WV	0 1
1084	LOAD X	M051005	12.46-	04	4.15-	04	GLOB	UNIF	WV	0 1
1085	LOAD Y	M051005	12.46	24	4.15	23	GLOB	UNIF	WV	0 1
1086	LOAD Z	M051005	12.46	14	4.15	14	GLOB	UNIF	WV	0 1
1087	LOAD X	M051005	16.61-	04	4.15-	04	GLOB	UNIF	WV	0 1
[illegible]	LOAD Y	M051005	16.61	23	4.15	23	GLOB	UNIF	WV	0 1
[illegible]	LOAD Z	M051005	16.61	14	4.15	14	GLOB	UNIF	WV	0 1
[illegible]	LOAD X	M051005	20.76-	04	4.15-	04	GLOB	UNIF	WV	0 1
[illegible]	LOAD Y	M051005	20.76	23	4.15	22	GLOB	UNIF	WV	0 1
[illegible]	LOAD Z	M051005	20.76	14	4.15	13	GLOB	UNIF	WV	0 1

AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 4/8

UNCLASSIFIED F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART

LINE NO.	1...5....0....5			2....5	...3....0	....5....4	...0....5	....6...0....5		....7....5....0
1093	LOAD X	8051005	24.91-	04	4.15-	04	GLOB UNIF	WV	0	1
1094	LOAD Y	8051005	24.91	22	4.15	22	GLOB UNIF	WV	0	1
1095	LOAD Z	8051005	24.91	13	4.15	13	GLOB UNIF	WV	0	1
1096	LOAD X	8051005	29.06-	04	4.15-	02	GLOB UNIF	WV	0	1
1097	LOAD Y	8051005	29.06	22	4.15	17	GLOB UNIF	WV	0	1
1098	LOAD Z	8051005	29.06	13	4.15	11	GLOB UNIF	WV	0	1
1099	LOAD X	8051005	33.22-	02	4.15-	1	GLOB UNIF	WV	0	1
1100	LOAD Y	8051005	33.22	17	4.15	10	GLOB UNIF	WV	0	1
1101	LOAD Z	8051005	33.22	11	4.15	08	GLOB UNIF	WV	0	1
1102	LOAD X	8051005	37.37-	1	4.15		GLOB UNIF	WV	0	1
1103	LOAD Y	8051005	37.37	10	4.15	02	GLOB UNIF	WV	0	1
1104	LOAD Z	8051005	37.37	08	4.15	1	GLOB UNIF	WV	0	1
1105	LOAD X	8061005	0.00-	05	4.15-	05	GLOB UNIF	WV	0	1
1106	LOAD Y	8061005	0.00	30	4.15	29	GLOB UNIF	WV	0	1
1107	LOAD Z	8061005	0.00-	14	4.15-	14	GLOB UNIF	WV	0	1
1108	LOAD X	8061005	4.15-	05	4.15-	05	GLOB UNIF	WV	0	1
1109	LOAD Y	8061005	4.15	29	4.15	28	GLOB UNIF	WV	0	1
1110	LOAD Z	8061005	4.15-	14	4.15-	13	GLOB UNIF	WV	0	1
1111	LOAD X	8061005	8.30-	05	4.15-	05	GLOB UNIF	WV	0	1
1112	LOAD Y	8061005	8.30	28	4.15	27	GLOB UNIF	WV	0	1
1113	LOAD Z	8061005	8.30-	13	4.15-	13	GLOB UNIF	WV	0	1
1114	LOAD X	8061005	12.46-	05	4.15-	05	GLOB UNIF	WV	0	1
1115	LOAD Y	8061005	12.46	27	4.15	26	GLOB UNIF	WV	0	1
1116	LOAD Z	8061005	12.46-	13	4.15-	12	GLOB UNIF	WV	0	1
1117	LOAD X	8061005	16.61-	05	4.15-	05	GLOB UNIF	WV	0	1
1118	LOAD Y	8061005	16.61	26	4.15	25	GLOB UNIF	WV	0	1
1119	LOAD Z	8061005	16.61-	12	4.15-	12	GLOB UNIF	WV	0	1
1120	LOAD X	8061005	20.76-	05	4.15-	05	GLOB UNIF	WV	0	1
1121	LOAD Y	8061005	20.76	25	4.15	24	GLOB UNIF	WV	0	1
1122	LOAD Z	8061005	20.76-	12	4.15-	12	GLOB UNIF	WV	0	1
1123	LOAD X	8061005	24.91-	05	4.15-	05	GLOB UNIF	WV	0	1
1124	LOAD Y	8061005	24.91	24	4.15	24	GLOB UNIF	WV	0	1
1125	LOAD Z	8061005	24.91-	12	4.15-	11	GLOB UNIF	WV	0	1
1126	LOAD X	8061005	29.07-	05	4.15-	03	GLOB UNIF	WV	0	1
1127	LOAD Y	8061005	29.07	24	4.15	17	GLOB UNIF	WV	0	1
1128	LOAD Z	8061005	29.07-	11	4.15-	08	GLOB UNIF	WV	0	1
1129	LOAD X	8061005	33.22-	03	4.15-	02	GLOB UNIF	WV	0	1
1130	LOAD Y	8061005	33.22	17	4.15	10	GLOB UNIF	WV	0	1
1131	LOAD Z	8061005	33.22-	08	4.15-	05	GLOB UNIF	WV	0	1
1132	LOAD X	8061005	37.37-	02	4.15		GLOB UNIF	WV	0	1
1133	LOAD Y	8061005	37.37	10	4.15	03	GLOB UNIF	WV	0	1
1134	LOAD Z	8061005	37.37-	05	4.15-	1	GLOB UNIF	WV	0	1
1135	LOAD X	8011004	0.00	05	4.15	05	GLOB UNIF	WV	0	1
1136	LOAD Y	8011004	0.00	26	4.15	26	GLOB UNIF	WV	0	1
1137	LOAD Z	8011004	0.00	15	4.15	15	GLOB UNIF	WV	0	1
1138	LOAD X	8011004	4.15	05	4.15	05	GLOB UNIF	WV	0	1
1139	LOAD Y	8011004	4.15	26	4.15	25	GLOB UNIF	WV	0	1
1140	LOAD Z	8011004	4.15	15	4.15	15	GLOB UNIF	WV	0	1
1141	LOAD X	8011004	8.30	05	4.15	04	GLOB UNIF	WV	0	1
1142	LOAD Y	8011004	8.30	25	4.15	24	GLOB UNIF	WV	0	1

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.											
1143	LOAD	Z	8011004	8.30	15	4.15	14	GLUB	UNIF	WV	0 1
1144	LOAD	X	8011004	12.46	04	4.15	04	GLUB	UNIF	WV	0 1
1145	LOAD	Y	8011004	12.46	24	4.15	23	GLUB	UNIF	WV	0 1
1146	LOAD	Z	8011004	12.46	14	4.15	14	GLUB	UNIF	WV	0 1
1147	LOAD	X	8011004	16.61	04	4.15	04	GLUB	UNIF	WV	0 1
1148	LOAD	Y	8011004	16.61	23	4.15	23	GLUB	UNIF	WV	0 1
1149	LOAD	Z	8011004	16.61	14	4.15	14	GLUB	UNIF	WV	0 1
1150	LOAD	X	8011004	20.76	04	4.15	04	GLUB	UNIF	WV	0 1
1151	LOAD	Y	8011004	20.76	23	4.15	22	GLUB	UNIF	WV	0 1
1152	LOAD	Z	8011004	20.76	14	4.15	13	GLUB	UNIF	WV	0 1
1153	LOAD	X	8011004	24.91	04	4.15	04	GLUB	UNIF	WV	0 1
1154	LOAD	Y	8011004	24.91	22	4.15	22	GLUB	UNIF	WV	0 1
1155	LOAD	Z	8011004	24.91	13	4.15	13	GLUB	UNIF	WV	0 1
1156	LOAD	X	8011004	29.06	04	4.15	02	GLUB	UNIF	WV	0 1
1157	LOAD	Y	8011004	29.06	22	4.15	17	GLUB	UNIF	WV	0 1
1158	LOAD	Z	8011004	29.06	13	4.15	11	GLUB	UNIF	WV	0 1
1159	LOAD	X	8011004	33.22	02	4.15	1	GLUB	UNIF	WV	0 1
1160	LOAD	Y	8011004	33.22	17	4.15	10	GLUB	UNIF	WV	0 1
1161	LOAD	Z	8011004	33.22	11	4.15	06	GLUB	UNIF	WV	0 1
1162	LOAD	X	8011004	37.37	1	4.15		GLUB	UNIF	WV	0 1
1163	LOAD	Y	8011004	37.37	10	4.15	02	GLUB	UNIF	WV	0 1
1164	LOAD	Z	8011004	37.37	06	4.15	1	GLUB	UNIF	WV	0 1
1165	LOAD	X	8061004	0.00	05	4.15	05	GLUB	UNIF	WV	0 1
1166	LOAD	Y	8061004	0.00	30	4.15	29	GLUB	UNIF	WV	0 1
1167	LOAD	Z	8061004	0.00-	14	4.15-	14	GLUB	UNIF	WV	0 1
1168	LOAD	X	8061004	4.15	05	4.15	05	GLUB	UNIF	WV	0 1
1169	LOAD	Y	8061004	4.15	29	4.15	28	GLUB	UNIF	WV	0 1
1170	LOAD	Z	8061004	4.15-	14	4.15-	13	GLUB	UNIF	WV	0 1
1171	LOAD	X	8061004	8.30	05	4.15	05	GLUB	UNIF	WV	0 1
1172	LOAD	Y	8061004	8.30	28	4.15	27	GLUB	UNIF	WV	0 1
1173	LOAD	Z	8061004	8.30-	13	4.15-	13	GLUB	UNIF	WV	0 1
1174	LOAD	X	8061004	12.46	05	4.15	05	GLUB	UNIF	WV	0 1
1175	LOAD	Y	8061004	12.46	27	4.15	26	GLUB	UNIF	WV	0 1
1176	LOAD	Z	8061004	12.46-	13	4.15-	12	GLUB	UNIF	WV	0 1
1177	LOAD	X	8061004	16.61	05	4.15	05	GLUB	UNIF	WV	0 1
1178	LOAD	Y	8061004	16.61	26	4.15	25	GLUB	UNIF	WV	0 1
1179	LOAD	Z	8061004	16.61-	12	4.15-	12	GLUB	UNIF	WV	0 1
1180	LOAD	X	8061004	20.76	05	4.15	05	GLUB	UNIF	WV	0 1
1181	LOAD	Y	8061004	20.76	25	4.15	24	GLUB	UNIF	WV	0 1
1182	LOAD	Z	8061004	20.76-	12	4.15-	12	GLUB	UNIF	WV	0 1
1183	LOAD	X	8061004	24.91	05	4.15	05	GLUB	UNIF	WV	0 1
1184	LOAD	Y	8061004	24.91	24	4.15	24	GLUB	UNIF	WV	0 1
1185	LOAD	Z	8061004	24.91-	12	4.15-	11	GLUB	UNIF	WV	0 1
1186	LOAD	X	8061004	29.07	05	4.15	03	GLUB	UNIF	WV	0 1
1187	LOAD	Y	8061004	29.07	24	4.15	17	GLUB	UNIF	WV	0 1
1188	LOAD	Z	8061004	29.07-	11	4.15-	06	GLUB	UNIF	WV	0 1
1189	LOAD	X	8061004	33.22	03	4.15	02	GLUB	UNIF	WV	0 1
1190	LOAD	Y	8061004	33.22	17	4.15	10	GLUB	UNIF	WV	0 1
1191	LOAD	Z	8061004	33.22-	08	4.15-	05	GLUB	UNIF	WV	0 1
1192	LOAD	X	8061004	37.37	02	4.15		GLUB	UNIF	WV	0 1

LINE NO.												
1193	LOAD	Y	8061004	37.37	10	4.15	03	GLOB	UNIF	WV	0	1
1194	LOAD	Z	8061004	37.37-	05	4.15-	1	GLOB	UNIF	WV	0	1
1195	LOAD	Y	10011002	0.00	02	5.71	02	GLOB	UNIF	WV	0	1
1196	LOAD	Y	10011002	5.71	02	5.71	02	GLOB	UNIF	WV	0	1
1197	LOAD	Y	10011002	11.43	02	5.71	02	GLOB	UNIF	WV	0	1
1198	LOAD	Y	10011002	17.14	02	5.71	02	GLOB	UNIF	WV	0	1
1199	LOAD	Y	10011002	22.86	02	5.71	02	GLOB	UNIF	WV	0	1
1200	LOAD	Y	10021003	0.00	02	5.71	02	GLOB	UNIF	WV	0	1
1201	LOAD	Y	10021003	5.71	02	5.71	02	GLOB	UNIF	WV	0	1
1202	LOAD	Y	10021003	11.43	02	5.71	02	GLOB	UNIF	WV	0	1
1203	LOAD	Y	10021003	17.14	02	5.71	02	GLOB	UNIF	WV	0	1
1204	LOAD	Y	10021003	22.86	02	5.71	02	GLOB	UNIF	WV	0	1
1205	LOAD	A	10031005	0.00-	1	5.71-	1	GLOB	UNIF	WV	0	1
1206	LOAD	Y	10031005	0.00		5.71	1	GLOB	UNIF	WV	0	1
1207	LOAD	A	10031005	5.71-	1	5.71-	1	GLOB	UNIF	WV	0	1
1208	LOAD	Y	10031005	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1209	LOAD	A	10031005	11.43-	1	5.71-	1	GLOB	UNIF	WV	0	1
1210	LOAD	Y	10031005	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1211	LOAD	A	10031005	17.14-	1	5.71-	02	GLOB	UNIF	WV	0	1
1212	LOAD	Y	10031005	17.14	1	5.71	1	GLOB	UNIF	WV	0	1
1213	LOAD	A	10031005	22.85-	02	5.71-	02	GLOB	UNIF	WV	0	1
1214	LOAD	Y	10031005	22.85	1	5.71	1	GLOB	UNIF	WV	0	1
1215	LOAD	A	10051006	0.00-	02	5.71-	02	GLOB	UNIF	WV	0	1
1216	LOAD	Y	10051006	0.00	1	5.71	1	GLOB	UNIF	WV	0	1
1217	LOAD	A	10051006	5.71-	02	5.71-	02	GLOB	UNIF	WV	0	1
1218	LOAD	Y	10051006	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1219	LOAD	A	10051006	11.43-	02	5.71-	02	GLOB	UNIF	WV	0	1
1220	LOAD	Y	10051006	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1221	LOAD	A	10051006	17.14-	02	5.71-	02	GLOB	UNIF	WV	0	1
1222	LOAD	Y	10051006	17.14	1	5.71	1	GLOB	UNIF	WV	0	1
1223	LOAD	A	10051006	22.86-	02	5.71-	02	GLOB	UNIF	WV	0	1
1224	LOAD	Y	10051006	22.86	1	5.71	1	GLOB	UNIF	WV	0	1
1225	LOAD	A	10011004	0.00	1	5.71	1	GLOB	UNIF	WV	0	1
1226	LOAD	Y	10011004	0.00		5.71	1	GLOB	UNIF	WV	0	1
1227	LOAD	A	10011004	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1228	LOAD	Y	10011004	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1229	LOAD	[illegible]	10011004	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1230	LOAD	Y	10011004	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1231	LOAD	A	10011004	17.14	1	5.71	02	GLOB	UNIF	WV	0	1
1232	LOAD	Y	10011004	17.14	1	5.71	1	GLOB	UNIF	WV	0	1
1233	LOAD	A	10011004	22.85	02	5.71	02	GLOB	UNIF	WV	0	1
1234	LOAD	Y	10011004	22.85	1	5.71	1	GLOB	UNIF	WV	0	1
1235	LOAD	A	10041006	0.00	02	5.71	02	GLOB	UNIF	WV	0	1
1236	LOAD	Y	10041006	0.00	1	5.71	1	GLOB	UNIF	WV	0	1
1237	LOAD	A	10041006	5.71	02	5.71	02	GLOB	UNIF	WV	0	1
1238	LOAD	Y	10041006	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1239	LOAD	A	10041006	11.43	02	5.71	02	GLOB	UNIF	WV	0	1
1240	LOAD	Y	10041006	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1241	LOAD	A	10041006	17.14	02	5.71	02	GLOB	UNIF	WV	0	1
1242	LOAD	Y	10041006	17.14	1	5.71	1	GLOB	UNIF	WV	0	1

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1243	LOAD	X	10041005	22.86	02	5.71	02	GLOB	UNIF	WV	0	1
1244	LOAD	Y	10041005	22.86	1	5.71	1	GLOB	UNIF	WV	0	1
1245	LOAD	X	10021004	0.00-	1	5.71-	1	GLOB	UNIF	WV	0	1
1246	LOAD	X	10021004	5.71-	1	5.71-	1	GLOB	UNIF	WV	0	1
1247	LOAD	X	10021004	11.43-	1	5.71-	1	GLOB	UNIF	WV	0	1
1248	LOAD	X	10021004	17.14-	1	5.71-	1	GLOB	UNIF	WV	0	1
1249	LOAD	X	10021004	22.86-	1	5.71-	1	GLOB	UNIF	WV	0	1
1250	LOAD	X	10021005	0.00	1	5.71	1	GLOB	UNIF	WV	0	1
1251	LOAD	X	10021005	5.71	1	5.71	1	GLOB	UNIF	WV	0	1
1252	LOAD	X	10021005	11.43	1	5.71	1	GLOB	UNIF	WV	0	1
1253	LOAD	X	10021005	17.14	1	5.71	1	GLOB	UNIF	WV	0	1
1254	LOAD	X	10021005	22.86	1	5.71	1	GLOB	UNIF	WV	0	1
1255	LOAD	Y	10041005	0.00	02	5.72	02	GLOB	UNIF	WV	0	1
1256	LOAD	Y	10041005	5.72	02	5.72	02	GLOB	UNIF	WV	0	1
1257	LOAD	Y	10041005	11.43	02	5.72	02	GLOB	UNIF	WV	0	1
1258	LOAD	Y	10041005	17.15	02	5.72	02	GLOB	UNIF	WV	0	1
1259	LOAD	Y	10041005	22.86	02	5.72	02	GLOB	UNIF	WV	0	1
1260	LOAD	Y	201 301	4.47	128	2.11	150	GLOB	UNIF	WV	0	1
1261	LOAD	Y	201 301	6.57	150	2.11	172	GLOB	UNIF	WV	0	1
1262	LOAD	Y	201 301	8.68	172	2.11	193	GLOB	UNIF	WV	0	1
1263	LOAD	Y	201 301	10.79	193	2.11	208	GLOB	UNIF	WV	0	1
1264	LOAD	Y	201 301	12.89	208	2.11	221	GLOB	UNIF	WV	0	1
1265	LOAD	Y	203 303	4.47	128	2.11	150	GLOB	UNIF	WV	0	1
1266	LOAD	Y	203 303	6.57	150	2.11	172	GLOB	UNIF	WV	0	1
1267	LOAD	Y	203 303	8.68	172	2.11	193	GLOB	UNIF	WV	0	1
1268	LOAD	Y	203 303	10.79	193	2.11	208	GLOB	UNIF	WV	0	1
1269	LOAD	Y	203 303	12.89	208	2.11	221	GLOB	UNIF	WV	0	1
1270	LOAD	Y	301 401	0.00	221	5.70	258	GLOB	UNIF	WV	0	1
1271	LOAD	Y	301 401	5.70	258	5.70	249	GLOB	UNIF	WV	0	1
1272	LOAD	Y	301 401	11.40	249	5.70	230	GLOB	UNIF	WV	0	1
1273	LOAD	Y	301 401	17.10	230	5.70	181	GLOB	UNIF	WV	0	1
1274	LOAD	Y	301 401	22.80	181	5.70	145	GLOB	UNIF	WV	0	1
1275	LOAD	Y	303 403	0.00	221	5.70	258	GLOB	UNIF	WV	0	1
1276	LOAD	Y	303 403	5.70	258	5.70	249	GLOB	UNIF	WV	0	1
1277	LOAD	Y	303 403	11.40	249	5.70	230	GLOB	UNIF	WV	0	1
1278	LOAD	Y	303 403	17.10	230	5.70	181	GLOB	UNIF	WV	0	1
1279	LOAD	Y	303 403	22.80	181	5.70	145	GLOB	UNIF	WV	0	1
1280	LOAD	Y	306 406	2.77	70	4.29	193	GLOB	UNIF	WV	0	1
1281	LOAD	Y	306 406	7.06	193	4.29	212	GLOB	UNIF	WV	0	1
1282	LOAD	Y	306 406	11.35	212	4.29	231	GLOB	UNIF	WV	0	1
1283	LOAD	Y	306 406	15.64	231	4.29	204	GLOB	UNIF	WV	0	1
1284	LOAD	Y	306 406	19.92	204	4.29	173	GLOB	UNIF	WV	0	1
1285	LOAD	Y	306 406	24.21	173	4.29	152	GLOB	UNIF	WV	0	1
1286	LOAD	X	401 501	0.00-	11	.91-	11	GLOB	UNIF	WV	0	1
1287	LOAD	Y	401 501	0.00	240	.91	235	GLOB	UNIF	WV	0	1
1288	LOAD	Z	401 501	0.00-	22	.91-	21	GLOB	UNIF	WV	0	1
1289	LOAD	X	401 501	.91-	11	.91-	10	GLOB	UNIF	WV	0	1
1290	LOAD	Y	401 501	.91	235	.91	230	GLOB	UNIF	WV	0	1
1291	LOAD	Z	401 501	.91-	21	.91-	21	GLOB	UNIF	WV	0	1
1292	LOAD	X	401 501	1.83-	10	.91-	10	GLOB	UNIF	WV	0	1

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            1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1293	LOAD	Y	401	501	1.83	230	.91	225	GLOB UNIF	WV 0 1
1294	LOAD	Z	401	501	1.83-	21	.91-	20	GLOB UNIF	WV 0 1
1295	LOAD	X	401	501	2.74-	10	.91-	10	GLOB UNIF	WV 0 1
1296	LOAD	Y	401	501	2.74	225	.91	220	GLOB UNIF	WV 0 1
1297	LOAD	Z	401	501	2.74-	20	.91-	20	GLOB UNIF	WV 0 1
1298	LOAD	X	401	501	3.65-	10	.91-	10	GLOB UNIF	WV 0 1
1299	LOAD	Y	401	501	3.65	220	.91	215	GLOB UNIF	WV 0 1
1300	LOAD	Z	401	501	3.65-	20	.91-	20	GLOB UNIF	WV 0 1
1301	LOAD	X	403	503	0.00	11	.91	11	GLOB UNIF	WV 0 1
1302	LOAD	Y	403	503	0.00	240	.91	235	GLOB UNIF	WV 0 1
1303	LOAD	Z	403	503	0.00-	22	.91-	21	GLOB UNIF	WV 0 1
1304	LOAD	X	403	503	.91	11	.91	10	GLOB UNIF	WV 0 1
1305	LOAD	Y	403	503	.91	235	.91	230	GLOB UNIF	WV 0 1
1306	LOAD	Z	403	503	.91-	21	.91-	21	GLOB UNIF	WV 0 1
1307	LOAD	X	403	503	1.83	10	.91	10	GLOB UNIF	WV 0 1
1308	LOAD	Y	403	503	1.83	230	.91	225	GLOB UNIF	WV 0 1
1309	LOAD	Z	403	503	1.83-	21	.91-	20	GLOB UNIF	WV 0 1
1310	LOAD	X	403	503	2.74	10	.91	10	GLOB UNIF	WV 0 1
1311	LOAD	Y	403	503	2.74	225	.91	220	GLOB UNIF	WV 0 1
1312	LOAD	Z	403	503	2.74-	20	.91-	20	GLOB UNIF	WV 0 1
1313	LOAD	X	403	503	3.65	10	.91	10	GLOB UNIF	WV 0 1
1314	LOAD	Y	403	503	3.65	220	.91	215	GLOB UNIF	WV 0 1
1315	LOAD	Z	403	503	3.65-	20	.91-	20	GLOB UNIF	WV 0 1
1316	LOAD	Y	406	506	0.00	258	.91	252	GLOB UNIF	WV 0 1
1317	LOAD	Z	406	506	0.00	43	.91	42	GLOB UNIF	WV 0 1
1318	LOAD	Y	406	506	.91	252	.91	247	GLOB UNIF	WV 0 1
1319	LOAD	Z	406	506	.91	42	.91	41	GLOB UNIF	WV 0 1
1320	LOAD	Y	406	506	1.82	247	.91	241	GLOB UNIF	WV 0 1
1321	LOAD	Z	406	506	1.82	41	.91	40	GLOB UNIF	WV 0 1
1322	LOAD	Y	406	506	2.74	241	.91	236	GLOB UNIF	WV 0 1
1323	LOAD	Z	406	506	2.74	40	.91	39	GLOB UNIF	WV 0 1
1324	LOAD	Y	406	506	3.65	236	.91	230	GLOB UNIF	WV 0 1
1325	LOAD	Z	406	506	3.65	39	.91	38	GLOB UNIF	WV 0 1
1326	LOAD	X	501	601	0.00-	10	1.22-	10	GLOB UNIF	WV 0 1
1327	LOAD	Y	501	601	0.00	213	1.22	208	GLOB UNIF	WV 0 1
1328	LOAD	Z	501	601	0.00-	19	1.22-	19	GLOB UNIF	WV 0 1
1329	LOAD	X	501	601	1.22-	10	1.22-	10	GLOB UNIF	WV 0 1
1330	LOAD	Y	501	601	1.22	208	1.22	199	GLOB UNIF	WV 0 1
1331	LOAD	Z	501	601	1.22-	19	1.22-	18	GLOB UNIF	WV 0 1
1332	LOAD	X	501	601	2.43-	10	1.22-	09	GLOB UNIF	WV 0 1
1333	LOAD	Y	501	601	2.43	199	1.22	194	GLOB UNIF	WV 0 1
1334	LOAD	Z	501	601	2.43-	18	1.22-	17	GLOB UNIF	WV 0 1
1335	LOAD	X	501	601	3.65-	09	1.22-	09	GLOB UNIF	WV 0 1
1336	LOAD	Y	501	601	3.65	194	1.22	189	GLOB UNIF	WV 0 1
1337	LOAD	Z	501	601	3.65-	17	1.22-	17	GLOB UNIF	WV 0 1
1338	LOAD	X	501	601	4.87-	09	1.22-	09	GLOB UNIF	WV 0 1
1339	LOAD	Y	501	601	4.87	189	1.22	184	GLOB UNIF	WV 0 1
1340	LOAD	Z	501	601	4.87-	17	1.22-	17	GLOB UNIF	WV 0 1
1341	LOAD	X	503	603	0.00	10	1.22	10	GLOB UNIF	WV 0 1
1342	LOAD	Y	503	603	0.00	213	1.22	208	GLOB UNIF	WV 0 1

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1543	LOAD Z	505 605	0.00-	19	1.22-	19	GLOB	UNIF	WV	0	1
1544	LOAD X	505 605	1.22	10	1.22	10	GLOB	UNIF	WV	0	1
1545	LOAD Y	505 605	1.22	206	1.22	199	GLOB	UNIF	WV	0	1
1546	LOAD Z	505 605	1.22-	19	1.22-	18	GLOB	UNIF	WV	0	1
1547	LOAD X	505 605	2.43	10	1.22	09	GLOB	UNIF	WV	0	1
1548	LOAD Y	505 605	2.43	199	1.22	194	GLOB	UNIF	WV	0	1
1549	LOAD Z	505 605	2.43-	18	1.22-	17	GLOB	UNIF	WV	0	1
1550	LOAD X	505 605	3.65	09	1.22	09	GLOB	UNIF	WV	0	1
1551	LOAD Y	505 605	3.65	194	1.22	189	GLOB	UNIF	WV	0	1
1552	LOAD Z	505 605	3.65-	17	1.22-	17	GLOB	UNIF	WV	0	1
1553	LOAD X	505 605	4.87	09	1.22	09	GLOB	UNIF	WV	0	1
1554	LOAD Y	505 605	4.87	189	1.22	184	GLOB	UNIF	WV	0	1
1555	LOAD Z	505 605	4.87-	17	1.22-	17	GLOB	UNIF	WV	0	1
1556	LOAD Y	506 606	0.00	227	1.22	220	GLOB	UNIF	WV	0	1
1557	LOAD Z	506 606	0.00	38	1.22	37	GLOB	UNIF	WV	0	1
1558	LOAD Y	506 606	1.22	220	1.22	213	GLOB	UNIF	WV	0	1
1559	LOAD Z	506 606	1.22	37	1.22	35	GLOB	UNIF	WV	0	1
1560	LOAD Y	506 606	2.43	213	1.22	207	GLOB	UNIF	WV	0	1
1561	LOAD Z	506 606	2.43	35	1.22	35	GLOB	UNIF	WV	0	1
1562	LOAD Y	506 606	3.65	207	1.22	203	GLOB	UNIF	WV	0	1
1563	LOAD Z	506 606	3.65	35	1.22	34	GLOB	UNIF	WV	0	1
1564	LOAD Y	506 606	4.87	203	1.22	198	GLOB	UNIF	WV	0	1
1565	LOAD Z	506 606	4.87	34	1.22	33	GLOB	UNIF	WV	0	1
1566	LOAD X	601 651	0.00-	09	1.22-	09	GLOB	UNIF	WV	0	1
1567	LOAD Y	601 651	0.00	184	1.22	180	GLOB	UNIF	WV	0	1
1568	LOAD Z	601 651	0.00-	17	1.22-	16	GLOB	UNIF	WV	0	1
1569	LOAD X	601 651	1.22-	09	1.22-	09	GLOB	UNIF	WV	0	1
1570	LOAD Y	601 651	1.22	180	1.22	175	GLOB	UNIF	WV	0	1
1571	LOAD Z	601 651	1.22-	16	1.22-	16	GLOB	UNIF	WV	0	1
1572	LOAD X	601 651	2.43-	09	1.22-	09	GLOB	UNIF	WV	0	1
1573	LOAD Y	601 651	2.43	175	1.22	170	GLOB	UNIF	WV	0	1
1574	LOAD Z	601 651	2.43-	16	1.22-	15	GLOB	UNIF	WV	0	1
1575	LOAD X	601 651	3.65-	09	1.22-	09	GLOB	UNIF	WV	0	1
1576	LOAD Y	601 651	3.65	170	1.22	166	GLOB	UNIF	WV	0	1
1577	LOAD Z	601 651	3.65-	15	1.22-	15	GLOB	UNIF	WV	0	1
1578	LOAD X	601 651	4.87-	09	1.22-	08	GLOB	UNIF	WV	0	1
1579	LOAD Y	601 651	4.87	166	1.22	161	GLOB	UNIF	WV	0	1
1580	LOAD Z	601 651	4.87-	15	1.22-	15	GLOB	UNIF	WV	0	1
1581	LOA X	603 653	0.00	09	1.22	09	GLOB	UNIF	WV	0	1
1582	LOA Y	603 653	0.00	184	1.22	180	GLOB	UNIF	WV	0	1
1583	LOA Z	603 653	0.00-	17	1.22-	16	GLOB	UNIF	WV	0	1
1584	LOAD X	603 653	1.22	09	1.22	09	GLOB	UNIF	WV	0	1
1585	LOAD Y	603 653	1.22	180	1.22	175	GLOB	UNIF	WV	0	1
1586	LOAD Z	603 653	1.22-	16	1.22-	16	GLOB	UNIF	WV	0	1
1587	LOAD X	603 653	2.43	09	1.22	09	GLOB	UNIF	WV	0	1
1588	LOAD Y	603 653	2.43	175	1.22	170	GLOB	UNIF	WV	0	1
1589	LOAD Z	603 653	2.43-	16	1.22-	15	GLOB	UNIF	WV	0	1
1590	LOAD X	603 653	3.65	09	1.22	09	GLOB	UNIF	WV	0	1
1591	LOAD Y	603 653	3.65	170	1.22	166	GLOB	UNIF	WV	0	1
1592	LOAD Z	603 653	3.65-	15	1.22-	15	GLOB	UNIF	WV	0	1

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
1393	LOAD	A	603 633	4.87	09	1.22	08	GLOB UNIF	WV	0 1
1394	LOAD	Y	603 633	4.87	166	1.22	161	GLOB UNIF	WV	0 1
1395	LOAD	Z	603 633	4.87-	15	1.22-	15	GLOB UNIF	WV	0 1
1396	LOAD	Y	606 636	0.00	196	1.22	193	GLOB UNIF	WV	0 1
1397	LOAD	Z	606 636	0.00	33	1.22	32	GLOB UNIF	WV	0 1
1398	LOAD	Y	606 636	1.22	193	1.22	189	GLOB UNIF	WV	0 1
1399	LOAD	Z	606 636	1.22	32	1.22	31	GLOB UNIF	WV	0 1
1400	LOAD	Y	606 636	2.43	189	1.22	184	GLOB UNIF	WV	0 1
1401	LOAD	Z	606 636	2.43	31	1.22	31	GLOB UNIF	WV	0 1
1402	LOAD	Y	606 636	3.65	184	1.22	180	GLOB UNIF	WV	0 1
1403	LOAD	Z	606 636	3.65	31	1.22	30	GLOB UNIF	WV	0 1
1404	LOAD	Y	606 636	4.87	180	1.22	175	GLOB UNIF	WV	0 1
1405	LOAD	Z	606 636	4.87	30	1.22	29	GLOB UNIF	WV	0 1
1406	LOAD	A	651 651	0.00-	18	1.22-	18	GLOB UNIF	WV	0 1
1407	LOAD	Y	651 651	0.00	235	1.22	229	GLOB UNIF	WV	0 1
1408	LOAD	Z	651 651	0.00-	22	1.22-	22	GLOB UNIF	WV	0 1
1409	LOAD	A	651 651	1.22-	18	1.22-	18	GLOB UNIF	WV	0 1
1410	LOAD	Y	651 651	1.22	229	1.22	223	GLOB UNIF	WV	0 1
1411	LOAD	Z	651 651	1.22-	22	1.22-	21	GLOB UNIF	WV	0 1
1412	LOAD	A	651 651	2.43-	18	1.22-	17	GLOB UNIF	WV	0 1
1413	LOAD	Y	651 651	2.43	223	1.22	218	GLOB UNIF	WV	0 1
1414	LOAD	Z	651 651	2.43-	21	1.22-	21	GLOB UNIF	WV	0 1
1415	LOAD	A	651 651	3.65-	17	1.22-	17	GLOB UNIF	WV	0 1
1416	LOAD	Y	651 651	3.65	218	1.22	213	GLOB UNIF	WV	0 1
1417	LOAD	Z	651 651	3.65-	21	1.22-	20	GLOB UNIF	WV	0 1
1418	LOAD	A	651 651	4.87-	17	1.22-	17	GLOB UNIF	WV	0 1
1419	LOAD	Y	651 651	4.87	213	1.22	207	GLOB UNIF	WV	0 1
1420	LOAD	Z	651 651	4.87-	20	1.22-	20	GLOB UNIF	WV	0 1
1421	LOAD	A	653 653	0.00	18	1.22	18	GLOB UNIF	WV	0 1
1422	LOAD	Y	653 653	0.00	235	1.22	229	GLOB UNIF	WV	0 1
1423	LOAD	Z	653 653	0.00-	22	1.22-	22	GLOB UNIF	WV	0 1
1424	LOAD	A	653 653	1.22	18	1.22	18	GLOB UNIF	WV	0 1
1425	LOAD	Y	653 653	1.22	229	1.22	223	GLOB UNIF	WV	0 1
1426	LOAD	Z	653 653	1.22-	22	1.22-	21	GLOB UNIF	WV	0 1
1427	LOAD	A	653 653	2.43	18	1.22	17	GLOB UNIF	WV	0 1
1428	LOAD	Y	653 653	2.43	223	1.22	218	GLOB UNIF	WV	0 1
1429	LOAD	Z	653 653	2.43-	21	1.22-	21	GLOB UNIF	WV	0 1
1430	LOAD	A	653 653	3.65	17	1.22	17	GLOB UNIF	WV	0 1
1431	LOAD	Y	653 653	3.65	218	1.22	213	GLOB UNIF	WV	0 1
1432	LOAD	Z	653 653	3.65-	21	1.22-	20	GLOB UNIF	WV	0 1
1433	LOAD	A	653 653	4.87	17	1.22	17	GLOB UNIF	WV	0 1
1434	LOAD	Y	653 653	4.87	213	1.22	207	GLOB UNIF	WV	0 1
1435	LOAD	Z	653 653	4.87-	20	1.22-	20	GLOB UNIF	WV	0 1
1436	LOAD	Y	656 656	0.00	281	1.22	274	GLOB UNIF	WV	0 1
1437	LOAD	Z	656 656	0.00	47	1.22	46	GLOB UNIF	WV	0 1
1438	LOAD	Y	656 656	1.22	274	1.22	268	GLOB UNIF	WV	0 1
1439	LOAD	Z	656 656	1.22	46	1.22	45	GLOB UNIF	WV	0 1
1440	LOAD	Y	656 656	2.43	268	1.22	263	GLOB UNIF	WV	0 1
1441	LOAD	Z	656 656	2.43	45	1.22	44	GLOB UNIF	WV	0 1
1442	LOAD	Y	656 656	3.65	263	1.22	257	GLOB UNIF	WV	0 1

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1443	LOAD	Z	650	655	3.65	44	1.22	43	GLOB UNIF	WV	0	1
1444	LOAD	Y	650	655	4.87	257	1.22	251	GLOB UNIF	WV	0	1
1445	LOAD	Z	650	655	4.87	43	1.22	42	GLOB UNIF	WV	0	1
1446	LOAD	X	651	701	0.00-	17	1.42-	16	GLOB UNIF	WV	0	1
1447	LOAD	Y	651	701	0.00	207	1.42	201	GLOB UNIF	WV	0	1
1448	LOAD	Z	651	701	0.00-	20	1.42-	19	GLOB UNIF	WV	0	1
1449	LOAD	X	651	701	1.42-	16	1.42-	16	GLOB UNIF	WV	0	1
1450	LOAD	Y	651	701	1.42	201	1.42	195	GLOB UNIF	WV	0	1
1451	LOAD	Z	651	701	1.42-	19	1.42-	18	GLOB UNIF	WV	0	1
1452	LOAD	X	651	701	2.84-	16	1.42-	15	GLOB UNIF	WV	0	1
1453	LOAD	Y	651	701	2.84	195	1.42	189	GLOB UNIF	WV	0	1
1454	LOAD	Z	651	701	2.84-	18	1.42-	16	GLOB UNIF	WV	0	1
1455	LOAD	X	651	701	4.26-	15	1.42-	15	GLOB UNIF	WV	0	1
1456	LOAD	Y	651	701	4.26	189	1.42	184	GLOB UNIF	WV	0	1
1457	LOAD	Z	651	701	4.26-	18	1.42-	17	GLOB UNIF	WV	0	1
1458	LOAD	X	651	701	5.68-	15	1.42-	15	GLOB UNIF	WV	0	1
1459	LOAD	Y	651	701	5.68	184	1.42	179	GLOB UNIF	WV	0	1
1460	LOAD	Z	651	701	5.68-	17	1.42-	17	GLOB UNIF	WV	0	1
1461	LOAD	X	655	705	0.00	17	1.42	16	GLOB UNIF	WV	0	1
1462	LOAD	Y	655	705	0.00	207	1.42	201	GLOB UNIF	WV	0	1
1463	LOAD	Z	655	705	0.00-	20	1.42-	19	GLOB UNIF	WV	0	1
1464	LOAD	X	655	705	1.42	16	1.42	16	GLOB UNIF	WV	0	1
1465	LOAD	Y	655	705	1.42	201	1.42	195	GLOB UNIF	WV	0	1
1466	LOAD	Z	655	705	1.42-	19	1.42-	18	GLOB UNIF	WV	0	1
1467	LOAD	X	655	705	2.84	16	1.42	15	GLOB UNIF	WV	0	1
1468	LOAD	Y	655	705	2.84	195	1.42	189	GLOB UNIF	WV	0	1
1469	LOAD	Z	655	705	2.84-	18	1.42-	18	GLOB UNIF	WV	0	1
1470	LOAD	X	655	705	4.26	15	1.42	15	GLOB UNIF	WV	0	1
1471	LOAD	Y	655	705	4.26	189	1.42	184	GLOB UNIF	WV	0	1
1472	LOAD	Z	655	705	4.26-	18	1.42-	17	GLOB UNIF	WV	0	1
1473	LOAD	X	655	705	5.68	15	1.42	15	GLOB UNIF	WV	0	1
1474	LOAD	Y	655	705	5.68	184	1.42	179	GLOB UNIF	WV	0	1
1475	LOAD	Z	655	705	5.68-	17	1.42-	17	GLOB UNIF	WV	0	1
1476	LOAD	Y	656	706	0.00	251	1.42	244	GLOB UNIF	WV	0	1
1477	LOAD	Z	656	706	0.00	42	1.42	41	GLOB UNIF	WV	0	1
1478	LOAD	Y	656	706	1.42	244	1.42	237	GLOB UNIF	WV	0	1
1479	LOAD	Z	656	706	1.42	41	1.42	40	GLOB UNIF	WV	0	1
1480	LOAD	Y	656	706	2.84	237	1.42	230	GLOB UNIF	WV	0	1
1481	LOAD	Z	656	706	2.84	40	1.42	38	GLOB UNIF	WV	0	1
1482	LOAD	Y	656	706	4.26	230	1.42	224	GLOB UNIF	WV	0	1
1483	LOAD	Z	656	706	4.26	38	1.42	37	GLOB UNIF	WV	0	1
1484	LOAD	Y	656	706	5.68	224	1.42	219	GLOB UNIF	WV	0	1
1485	LOAD	Z	656	706	5.68	37	1.42	37	GLOB UNIF	WV	0	1
1486	LOAD	X	701	801	0.00-	13	6.89-	11	GLOB UNIF	WV	0	1
1487	LOAD	Y	701	801	0.00	171	6.89	150	GLOB UNIF	WV	0	1
1488	LOAD	Z	701	801	0.00-	16	6.89-	14	GLOB UNIF	WV	0	1
1489	LOAD	X	701	801	6.89-	11	6.89-	10	GLOB UNIF	WV	0	1
1490	LOAD	Y	701	801	6.89	150	6.89	135	GLOB UNIF	WV	0	1
1491	LOAD	Z	701	801	6.89-	14	6.89-	13	GLOB UNIF	WV	0	1
1492	LOAD	X	701	801	13.79-	10	6.89-	08	GLOB UNIF	WV	0	1

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             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1493	LOAD Y	701 801	13.79	135	6.89	121	GLOB	UNIF	WV	0	1
1494	LOAD Z	701 801	13.79-	13	6.89-	11	GLOB	UNIF	WV	0	1
1495	LOAD X	701 801	20.68-	08	6.89-	07	GLOB	UNIF	WV	0	1
1496	LOAD Y	701 801	20.68	121	6.89	107	GLOB	UNIF	WV	0	1
1497	LOAD Z	701 801	20.68-	11	6.89-	10	GLOB	UNIF	WV	0	1
1498	LOAD X	701 801	27.57-	07	6.89-	05	GLOB	UNIF	WV	0	1
1499	LOAD Y	701 801	27.57	107	6.89	96	GLOB	UNIF	WV	0	1
1500	LOAD Z	701 801	27.57-	10	6.89-	09	GLOB	UNIF	WV	0	1
1501	LOAD X	703 803	0.00	13	6.89	11	GLOB	UNIF	WV	0	1
1502	LOAD Y	703 803	0.00	171	6.89	150	GLOB	UNIF	WV	0	1
1503	LOAD Z	703 803	0.00-	16	6.89-	14	GLOB	UNIF	WV	0	1
1504	LOAD X	703 803	6.89	11	6.89	10	GLOB	UNIF	WV	0	1
1505	LOAD Y	703 803	6.89	150	6.89	135	GLOB	UNIF	WV	0	1
1506	LOAD Z	703 803	6.89-	14	6.89-	13	GLOB	UNIF	WV	0	1
1507	LOAD X	703 803	13.79	10	6.89	08	GLOB	UNIF	WV	0	1
1508	LOAD Y	703 803	13.79	135	6.89	121	GLOB	UNIF	WV	0	1
1509	LOAD Z	703 803	13.79-	13	6.89-	11	GLOB	UNIF	WV	0	1
1510	LOAD X	703 803	20.68	08	6.89	07	GLOB	UNIF	WV	0	1
1511	LOAD Y	703 803	20.68	121	6.89	107	GLOB	UNIF	WV	0	1
1512	LOAD Z	703 803	20.68-	11	6.89-	10	GLOB	UNIF	WV	0	1
1513	LOAD X	703 803	27.57	07	6.89	05	GLOB	UNIF	WV	0	1
1514	LOAD Y	703 803	27.57	107	6.89	96	GLOB	UNIF	WV	0	1
1515	LOAD Z	703 803	27.57-	10	6.89-	09	GLOB	UNIF	WV	0	1
1516	LOAD Y	706 806	0.00	204	6.89	181	GLOB	UNIF	WV	0	1
1517	LOAD Z	706 806	0.00	34	6.89	30	GLOB	UNIF	WV	0	1
1518	LOAD Y	706 806	6.89	181	6.89	165	GLOB	UNIF	WV	0	1
1519	LOAD Z	706 806	6.89	30	6.89	28	GLOB	UNIF	WV	0	1
1520	LOAD Y	706 806	13.79	165	6.89	151	GLOB	UNIF	WV	0	1
1521	LOAD Z	706 806	13.79	28	6.89	25	GLOB	UNIF	WV	0	1
1522	LOAD Y	706 806	20.68	151	6.89	137	GLOB	UNIF	WV	0	1
1523	LOAD Z	706 806	20.68	25	6.89	23	GLOB	UNIF	WV	0	1
1524	LOAD Y	706 806	27.58	137	6.89	128	GLOB	UNIF	WV	0	1
1525	LOAD Z	706 806	27.58	23	6.89	21	GLOB	UNIF	WV	0	1
1526	LOAD X	801001	0.00-	06	3.83-	05	GLOB	UNIF	WV	0	1
1527	LOAD Y	801001	0.00	98	3.83	93	GLOB	UNIF	WV	0	1
1528	LOAD Z	801001	0.00-	09	3.83-	08	GLOB	UNIF	WV	0	1
1529	LOAD X	801001	3.83-	05	3.83-	04	GLOB	UNIF	WV	0	1
1530	LOAD Y	801001	3.83	93	3.83	89	GLOB	UNIF	WV	0	1
1531	LOAD Z	801001	3.83-	08	3.83-	08	GLOB	UNIF	WV	0	1
1532	LOAD X	801001	7.66-	04	3.83-	03	GLOB	UNIF	WV	0	1
1533	LOAD Y	801001	7.66	89	3.83	84	GLOB	UNIF	WV	0	1
1534	LOAD Z	801001	7.66-	08	3.83-	07	GLOB	UNIF	WV	0	1
1535	LOAD X	801001	11.49-	03	3.83-	03	GLOB	UNIF	WV	0	1
1536	LOAD Y	801001	11.49	84	3.83	80	GLOB	UNIF	WV	0	1
1537	LOAD Z	801001	11.49-	07	3.83-	07	GLOB	UNIF	WV	0	1
1538	LOAD X	801001	15.32-	03	3.83-	02	GLOB	UNIF	WV	0	1
1539	LOAD Y	801001	15.32	80	3.83	77	GLOB	UNIF	WV	0	1
1540	LOAD Z	801001	15.32-	07	3.83-	07	GLOB	UNIF	WV	0	1
1541	LOAD X	801001	19.15-	02	3.83-	1	GLOB	UNIF	WV	0	1
1542	LOAD Y	801001	19.15	77	3.83	73	GLOB	UNIF	WV	0	1

LINE NO.	1...5	....0....5	....0....5	0	5	....0....5	....0....5	....0....5....0....5	0
1543	LOAD Z	6011001	19.15-	07	3.83-	06	GLOB UNIF	WV	0 1
1544	LOAD X	6011001	22.98-	1	3.83-	03	GLOB UNIF	WV	0 1
1545	LOAD Y	6011001	22.98	73	3.83	55	GLOB UNIF	WV	0 1
1546	LOAD Z	6011001	22.98-	06	3.83-	05	GLOB UNIF	WV	0 1
1547	LOAD X	6011001	26.61-	03	3.83-	1	GLOB UNIF	WV	0 1
1548	LOAD Y	6011001	26.61	55	3.83	26	GLOB UNIF	WV	0 1
1549	LOAD Z	6011001	26.61-	05	3.83-	02	GLOB UNIF	WV	0 1
1550	LOAD X	6011001	30.64-	1	3.83		GLOB UNIF	WV	0 1
1551	LOAD Y	6011001	30.64	26	3.41		GLOB UNIF	WV	0 1
1552	LOAD Y	6011001	34.05		.42-	03	GLOB UNIF	WV	0 1
1553	LOAD Z	6011001	30.64-	02	3.39		GLOB UNIF	WV	0 1
1554	LOAD X	6031003	0.00	06	3.83	05	GLOB UNIF	WV	0 1
1555	LOAD Y	6031003	0.00	98	3.83	93	GLOB UNIF	WV	0 1
1556	LOAD Z	6031003	0.00-	09	3.83-	08	GLOB UNIF	WV	0 1
1557	LOAD X	6031003	3.83	05	3.83	04	GLOB UNIF	WV	0 1
1558	LOAD Y	6031003	3.83	93	3.83	89	GLOB UNIF	WV	0 1
1559	LOAD Z	6031003	3.83-	08	3.83-	06	GLOB UNIF	WV	0 1
1560	LOAD X	6031003	7.66	04	3.83	03	GLOB UNIF	WV	0 1
1561	LOAD Y	6031003	7.66	89	3.83	84	GLOB UNIF	WV	0 1
1562	LOAD Z	6031003	7.66-	06	3.83-	07	GLOB UNIF	WV	0 1
1563	LOAD X	6031003	11.49	03	3.83	03	GLOB UNIF	WV	0 1
1564	LOAD Y	6031003	11.49	84	3.83	80	GLOB UNIF	WV	0 1
1565	LOAD Z	6031003	11.49-	07	3.83-	07	GLOB UNIF	WV	0 1
1566	LOAD X	6031003	15.32	03	3.83	02	GLOB UNIF	WV	0 1
1567	LOAD Y	6031003	15.32	80	3.83	77	GLOB UNIF	WV	0 1
1568	LOAD Z	6031003	15.32-	07	3.83-	07	GLOB UNIF	WV	0 1
1569	LOAD X	6031003	19.15	02	3.83	1	GLOB UNIF	WV	0 1
1570	LOAD Y	6031003	19.15	77	3.83	73	GLOB UNIF	WV	0 1
1571	LOAD Z	6031003	19.15-	07	3.83-	06	GLOB UNIF	WV	0 1
1572	LOAD X	6031003	22.98	1	3.83	03	GLOB UNIF	WV	0 1
1573	LOAD Y	6031003	22.98	73	3.83	55	GLOB UNIF	WV	0 1
1574	LOAD Z	6031003	22.98-	06	3.83-	05	GLOB UNIF	WV	0 1
1575	LOAD X	6031003	26.61	03	3.83	1	GLOB UNIF	WV	0 1
1576	LOAD Y	6031003	26.61	55	3.83	26	GLOB UNIF	WV	0 1
1577	LOAD Z	6031003	26.61-	05	3.83-	02	GLOB UNIF	WV	0 1
1578	LOAD X	6031003	30.64	1	3.83		GLOB UNIF	WV	0 1
1579	LOAD Y	6031003	30.64	26	3.41		GLOB UNIF	WV	0 1
1580	LOAD Y	6031003	34.05		.42-	03	GLOB UNIF	WV	0 1
1581	LOAD Z	[illegible]	30.64-	02	3.39		GLOB UNIF	WV	0 1
1582	LOAD [illegible]	[illegible]	0.00	128	4.92	123	GLOB UNIF	WV	0 1
1583	LOAD [illegible]	[illegible]	0.00	21	4.92	20	GLOB UNIF	WV	0 1
1584	LOAD [illegible]	6061006	4.92	123	4.92	118	GLOB UNIF	WV	0 1
1585	LOAD Z	6061006	4.92	20	4.92	20	GLOB UNIF	WV	0 1
1586	LOAD Y	6061006	9.85	118	4.92	112	GLOB UNIF	WV	0 1
1587	LOAD Z	6061006	9.85	20	4.92	19	GLOB UNIF	WV	0 1
1588	LOAD Y	6061006	14.77	112	4.92	109	GLOB UNIF	WV	0 1
1589	LOAD Z	6061006	14.77	19	4.92	18	GLOB UNIF	WV	0 1
1590	LOAD Y	6061006	19.70	109	4.92	104	GLOB UNIF	WV	0 1
1591	LOAD Z	6061006	19.70	18	4.92	17	GLOB UNIF	WV	0 1
1592	LOAD Y	6061006	24.62	104	4.92	73	GLOB UNIF	WV	0 1

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             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1593	LOAD Z	8061006	24.62	17	4.92	12			GLOB UNIF	WV 0 1
1594	LOAD Y	8061005	29.54	73	4.92	43			GLOB UNIF	WV 0 1
1595	LOAD Z	8061005	29.54	12	4.92	07			GLOB UNIF	WV 0 1
1596	LOADGEN	2								
1597	LOAD Y	401 510	0.00-	780					GLOB CONC	WN 0 2
1598	LOAD X	401 510					0.00	472951	GLOB MOMT	WN 0 2
1599	LOAD Y	403 511	0.00-	780					GLOB CONC	WN 0 2
1600	LOAD X	403 511					0.00	472951	GLOB MOMT	WN 0 2
1601	LOAD Y	406 512	0.00-	780					GLOB CONC	WN 0 2
1602	LOAD X	406 512					0.00	472951	GLOB MOMT	WN 0 2
1603	LOAD X	201 303	15.74	05	3.38	06			GLOB UNIF	WV 0 2
1604	LOAD Y	201 303	15.74-	97	3.38-	118			GLOB UNIF	WV 0 2
1605	LOAD Z	201 303	15.74-	10	3.38-	12			GLOB UNIF	WV 0 2
1606	LOAD X	201 303	19.12	06	3.38	07			GLOB UNIF	WV 0 2
1607	LOAD Y	201 303	19.12-	118	3.38-	140			GLOB UNIF	WV 0 2
1608	LOAD Z	201 303	19.12-	12	3.38-	13			GLOB UNIF	WV 0 2
1609	LOAD X	201 303	22.50	07	3.38	08			GLOB UNIF	WV 0 2
1610	LOAD Y	201 303	22.50-	140	3.38-	154			GLOB UNIF	WV 0 2
1611	LOAD Z	201 303	22.50-	13	3.38-	15			GLOB UNIF	WV 0 2
1612	LOAD X	201 303	25.89	08	3.38	08			GLOB UNIF	WV 0 2
1613	LOAD Y	201 303	25.89-	154	3.38-	161			GLOB UNIF	WV 0 2
1614	LOAD Z	201 303	25.89-	15	3.38-	15			GLOB UNIF	WV 0 2
1615	LOAD X	201 303	29.27	08	3.38	08			GLOB UNIF	WV 0 2
1616	LOAD Y	201 303	29.27-	161	3.38-	169			GLOB UNIF	WV 0 2
1617	LOAD Z	201 303	29.27-	15	3.38-	16			GLOB UNIF	WV 0 2
1618	LOAD X	203 306	23.10	26	1.91	25			GLOB UNIF	WV 0 2
1619	LOAD Y	203 306	23.10-	51	1.91-	50			GLOB UNIF	WV 0 2
1620	LOAD Z	203 306	23.10-	60	1.91-	60			GLOB UNIF	WV 0 2
1621	LOAD X	203 306	25.01	25	1.91	22			GLOB UNIF	WV 0 2
1622	LOAD Y	203 306	25.01-	50	1.91-	47			GLOB UNIF	WV 0 2
1623	LOAD Z	203 306	25.01-	60	1.91-	56			GLOB UNIF	WV 0 2
1624	LOAD X	203 306	26.92	22	1.91	20			GLOB UNIF	WV 0 2
1625	LOAD Y	203 306	26.92-	47	1.91-	45			GLOB UNIF	WV 0 2
1626	LOAD Z	203 306	26.92-	56	1.91-	56			GLOB UNIF	WV 0 2
1627	LOAD X	203 306	28.83	20	1.91	18			GLOB UNIF	WV 0 2
1628	LOAD Y	203 306	28.83-	45	1.91-	43			GLOB UNIF	WV 0 2
1629	LOAD Z	203 306	28.83-	56	1.91-	55			GLOB UNIF	WV 0 2
1630	LOAD X	203 306	30.74	18	1.91	16			GLOB UNIF	WV 0 2
1631	LOAD Y	203 306	30.74-	43	1.91-	41			GLOB UNIF	WV 0 2
1632	LOAD Z	203 306	30.74-	55	1.91-	54			GLOB UNIF	WV 0 2
1633	LOAD X	206 301	19.82-	79	2.56-	91			GLOB UNIF	WV 0 2
1634	LOAD Y	206 301	19.82-	56	2.56-	71			GLOB UNIF	WV 0 2
1635	LOAD Z	206 301	19.82	20	2.56	31			GLOB UNIF	WV 0 2
1636	LOAD X	206 301	22.39-	91	2.56-	94			GLOB UNIF	WV 0 2
1637	LOAD Y	206 301	22.39-	71	2.56-	77			GLOB UNIF	WV 0 2
1638	LOAD Z	206 301	22.39	31	2.56	37			GLOB UNIF	WV 0 2
1639	LOAD X	206 301	24.95-	94	2.56-	97			GLOB UNIF	WV 0 2
1640	LOAD Y	206 301	24.95-	77	2.56-	82			GLOB UNIF	WV 0 2
1641	LOAD Z	206 301	24.95	37	2.56	43			GLOB UNIF	WV 0 2
1642	LOAD X	206 301	27.52-	97	2.56-	99			GLOB UNIF	WV 0 2

LINE NO.													
1643	LOAD	Y	206	301	27.52-	82	2.56-	87	GLOB	UNIF	WV	0	2
1644	LOAD	Z	206	301	27.52	45	2.56	49	GLOB	UNIF	WV	0	2
1645	LOAD	X	205	301	30.08-	99	2.55-	101	GLOB	UNIF	WV	0	2
1646	LOAD	Y	206	301	30.08-	87	2.56-	91	GLOB	UNIF	WV	0	2
1647	LOAD	Z	206	301	30.08	49	2.56	54	GLOB	UNIF	WV	0	2
1648	LOAD	X	301	403	0.00	10	6.13	12	GLOB	UNIF	WV	0	2
1649	LOAD	Y	301	403	0.00-	169	6.13-	197	GLOB	UNIF	WV	0	2
1650	LOAD	Z	301	403	0.00-	10	6.13-	12	GLOB	UNIF	WV	0	2
1651	LOAD	X	301	403	6.13	12	6.13	12	GLOB	UNIF	WV	0	2
1652	LOAD	Y	301	403	6.13-	197	6.13-	199	GLOB	UNIF	WV	0	2
1653	LOAD	Z	301	403	6.13-	12	6.13-	13	GLOB	UNIF	WV	0	2
1654	LOAD	X	301	403	16.26	12	6.13	12	GLOB	UNIF	WV	0	2
1655	LOAD	Y	301	403	16.26-	199	6.13-	192	GLOB	UNIF	WV	0	2
1656	LOAD	Z	301	403	16.26-	13	6.13-	12	GLOB	UNIF	WV	0	2
1657	LOAD	X	301	403	24.40	12	6.13	12	GLOB	UNIF	WV	0	2
1658	LOAD	Y	301	403	24.40-	192	6.13-	150	GLOB	UNIF	WV	0	2
1659	LOAD	Z	301	403	24.40-	12	6.13-	12	GLOB	UNIF	WV	0	2
1660	LOAD	X	301	403	32.53	12	6.13	11	GLOB	UNIF	WV	0	2
1661	LOAD	Y	301	403	32.53-	150	6.13-	120	GLOB	UNIF	WV	0	2
1662	LOAD	Z	301	403	32.53-	12	6.13-	11	GLOB	UNIF	WV	0	2
1663	LOAD	Y	301	303	0.00-	138	5.80-	138	GLOB	UNIF	WV	0	2
1664	LOAD	Z	301	303	0.00-	14	5.80-	14	GLOB	UNIF	WV	0	2
1665	LOAD	Y	301	303	5.80-	138	5.80-	136	GLOB	UNIF	WV	0	2
1666	LOAD	Z	301	303	5.80-	14	5.80-	14	GLOB	UNIF	WV	0	2
1667	LOAD	Y	301	303	11.60-	136	5.80-	136	GLOB	UNIF	WV	0	2
1668	LOAD	Z	301	303	11.60-	14	5.80-	14	GLOB	UNIF	WV	0	2
1669	LOAD	Y	301	303	17.40-	136	5.80-	138	GLOB	UNIF	WV	0	2
1670	LOAD	Z	301	303	17.40-	14	5.80-	14	GLOB	UNIF	WV	0	2
1671	LOAD	Y	301	303	23.20-	138	5.80-	138	GLOB	UNIF	WV	0	2
1672	LOAD	Z	301	303	23.20-	14	5.80-	14	GLOB	UNIF	WV	0	2
1673	LOAD	X	303	306	0.00	60	5.80	63	GLOB	UNIF	WV	0	2
1674	LOAD	Y	303	306	0.00-	35	5.80-	36	GLOB	UNIF	WV	0	2
1675	LOAD	Z	303	306	0.00-	14	5.80-	18	GLOB	UNIF	WV	0	2
1676	LOAD	X	303	306	5.80	63	5.80	61	GLOB	UNIF	WV	0	2
1677	LOAD	Y	303	306	5.80-	36	5.80-	35	GLOB	UNIF	WV	0	2
1678	LOAD	Z	303	306	5.80-	18	5.80-	21	GLOB	UNIF	WV	0	2
1679	LOAD	X	303	306	11.60	61	5.80	52	GLOB	UNIF	WV	0	2
1680	LOAD	Y	303	306	11.60-	35	5.80-	30	GLOB	UNIF	WV	0	2
1681	LOAD	Z	303	306	11.60-	21	5.80-	23	GLOB	UNIF	WV	0	2
1682	LOAD	X	303	306	17.40	52	5.80	41	GLOB	UNIF	WV	0	2
1683	LOAD	Y	303	306	17.40-	30	5.80-	24	GLOB	UNIF	WV	0	2
1684	LOAD	Z	303	306	17.40-	23	5.80-	25	GLOB	UNIF	WV	0	2
1685	LOAD	X	303	306	23.20	41	5.80	27	GLOB	UNIF	WV	0	2
1686	LOAD	Y	303	306	23.20-	24	5.80-	16	GLOB	UNIF	WV	0	2
1687	LOAD	Z	303	306	23.20-	25	5.80-	26	GLOB	UNIF	WV	0	2
1688	LOAD	X	301	306	0.00-	60	5.80-	63	GLOB	UNIF	WV	0	2
1689	LOAD	Y	301	306	0.00-	35	5.80-	36	GLOB	UNIF	WV	0	2
1690	LOAD	Z	301	306	0.00-	14	5.80-	18	GLOB	UNIF	WV	0	2
1691	LOAD	X	301	306	5.80-	63	5.80-	61	GLOB	UNIF	WV	0	2
1692	LOAD	Y	301	306	5.80-	36	5.80-	35	GLOB	UNIF	WV	0	2

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
1693	LOAD	Z	301	306	5.80-	18	5.80-	21	GLOB	UNIF	WV	0	2
1694	LOAD	X	301	306	11.60-	61	5.80-	52	GLOB	UNIF	WV	0	2
1695	LOAD	Y	301	306	11.60-	35	5.80-	30	GLOB	UNIF	WV	0	2
1696	LOAD	Z	301	306	11.60-	21	5.80-	23	GLOB	UNIF	WV	0	2
1697	LOAD	X	301	306	17.40-	52	5.80-	41	GLOB	UNIF	WV	0	2
1698	LOAD	Y	301	306	17.40-	30	5.80-	24	GLOB	UNIF	WV	0	2
1699	LOAD	Z	301	306	17.40-	23	5.80-	25	GLOB	UNIF	WV	0	2
1700	LOAD	X	301	306	23.20-	41	5.80-	27	GLOB	UNIF	WV	0	2
1701	LOAD	Y	301	306	23.20-	24	5.80-	16	GLOB	UNIF	WV	0	2
1702	LOAD	Z	301	306	23.20-	25	5.80-	28	GLOB	UNIF	WV	0	2
1703	LOAD	Y	501	502	0.00-	70	3.03-	70	GLOB	UNIF	WV	0	2
1704	LOAD	Z	501	502	0.00-	09	3.03-	09	GLOB	UNIF	WV	0	2
1705	LOAD	Y	501	502	3.03-	70	3.03-	70	GLOB	UNIF	WV	0	2
1706	LOAD	Z	501	502	3.03-	09	3.03-	09	GLOB	UNIF	WV	0	2
1707	LOAD	Y	501	502	6.06-	70	3.03-	70	GLOB	UNIF	WV	0	2
1708	LOAD	Z	501	502	6.06-	09	3.03-	09	GLOB	UNIF	WV	0	2
1709	LOAD	Y	501	502	9.09-	70	3.03-	70	GLOB	UNIF	WV	0	2
1710	LOAD	Z	501	502	9.09-	09	3.03-	09	GLOB	UNIF	WV	0	2
1711	LOAD	Y	501	502	12.12-	70	3.03-	70	GLOB	UNIF	WV	0	2
1712	LOAD	Z	501	502	12.12-	09	3.03-	09	GLOB	UNIF	WV	0	2
1713	LOAD	Y	502	503	0.00-	70	3.03-	70	GLOB	UNIF	WV	0	2
1714	LOAD	Z	502	503	0.00-	09	3.03-	09	GLOB	UNIF	WV	0	2
1715	LOAD	Y	502	503	3.03-	70	3.03-	70	GLOB	UNIF	WV	0	2
1716	LOAD	Z	502	503	3.03-	09	3.03-	09	GLOB	UNIF	WV	0	2
1717	LOAD	Y	502	503	6.06-	70	3.03-	70	GLOB	UNIF	WV	0	2
1718	LOAD	Z	502	503	6.06-	09	3.03-	09	GLOB	UNIF	WV	0	2
1719	LOAD	Y	502	503	9.09-	70	3.03-	70	GLOB	UNIF	WV	0	2
1720	LOAD	Z	502	503	9.09-	09	3.03-	09	GLOB	UNIF	WV	0	2
1721	LOAD	Y	502	503	12.12-	70	3.03-	70	GLOB	UNIF	WV	0	2
1722	LOAD	Z	502	503	12.12-	09	3.03-	09	GLOB	UNIF	WV	0	2
1723	LOAD	X	503	505	0.00	30	3.03	30	GLOB	UNIF	WV	0	2
1724	LOAD	Y	503	505	0.00-	17	3.03-	17	GLOB	UNIF	WV	0	2
1725	LOAD	Z	503	505	0.00-	09	3.03-	09	GLOB	UNIF	WV	0	2
1726	LOAD	X	503	505	3.03	30	3.03	30	GLOB	UNIF	WV	0	2
1727	LOAD	Y	503	505	3.03-	17	3.03-	17	GLOB	UNIF	WV	0	2
1728	LOAD	Z	503	505	3.03-	09	3.03-	10	GLOB	UNIF	WV	0	2
1729	LOAD	X	503	505	6.06	30	3.03	30	GLOB	UNIF	WV	0	2
1730	LOAD	Y	503	505	6.06-	17	3.03-	17	GLOB	UNIF	WV	0	2
1731	LOAD	Z	503	505	6.06-	10	3.03-	10	GLOB	UNIF	WV	0	2
1732	LOAD	X	503	505	9.09	30	3.03	29	GLOB	UNIF	WV	0	2
1733	LOAD	Y	503	505	9.09-	17	3.03-	17	GLOB	UNIF	WV	0	2
1734	LOAD	Z	503	505	9.09-	10	3.03-	10	GLOB	UNIF	WV	0	2
1735	LOAD	X	503	505	12.12	29	3.03	29	GLOB	UNIF	WV	0	2
1736	LOAD	Y	503	505	12.12-	17	3.03-	17	GLOB	UNIF	WV	0	2
1737	LOAD	Z	503	505	12.12-	10	3.03-	10	GLOB	UNIF	WV	0	2
1738	LOAD	X	505	506	0.00	29	3.03	28	GLOB	UNIF	WV	0	2
1739	LOAD	Y	505	506	0.00-	17	3.03-	16	GLOB	UNIF	WV	0	2
1740	LOAD	Z	505	506	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	2
1741	LOAD	X	505	506	3.03	28	3.03	28	GLOB	UNIF	WV	0	2
1742	LOAD	Y	505	506	3.03-	16	3.03-	16	GLOB	UNIF	WV	0	2

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1743  LOAD Z  505 506    3.03-   10  3.03-   10             GLOB UNIF   WV 0 2
1744  LOAD X  505 506    6.06    28  3.03    27             GLOB UNIF   WV 0 2
1745  LOAD Y  505 505    6.06-   16  3.03-   15             GLOB UNIF   WV 0 2
1746  LOAD Z  505 505    6.06-   10  3.03-   10             GLOB UNIF   WV 0 2
1747  LOAD X  505 505    9.09    27  3.03    26             GLOB UNIF   WV 0 2
1748  LOAD Y  505 506    9.09-   15  3.03-   15             GLOB UNIF   WV 0 2
1749  LOAD Z  505 506    9.09-   10  3.03-   11             GLOB UNIF   WV 0 2
1750  LOAD X  505 506   12.12    26  3.03    25             GLOB UNIF   WV 0 2
1751  LOAD Y  505 506   12.12-   15  3.03-   15             GLOB UNIF   WV 0 2
1752  LOAD Z  505 506   12.12-   11  3.03-   11             GLOB UNIF   WV 0 2
1753  LOAD X  501 504    0.00-   30  3.03-   30             GLOB UNIF   WV 0 2
1754  LOAD Y  501 504    0.00-   17  3.03-   17             GLOB UNIF   WV 0 2
1755  LOAD Z  501 504    0.00-   09  3.03-   09             GLOB UNIF   WV 0 2
1756  LOAD X  501 504    3.03-   30  3.03-   30             GLOB UNIF   WV 0 2
1757  LOAD Y  501 504    3.03-   17  3.03-   17             GLOB UNIF   WV 0 2
1758  LOAD Z  501 504    3.03-   09  3.03-   10             GLOB UNIF   WV 0 2
1759  LOAD X  501 504    6.06-   30  3.03-   30             GLOB UNIF   WV 0 2
1760  LOAD Y  501 504    6.06-   17  3.03-   17             GLOB UNIF   WV 0 2
1761  LOAD Z  501 504    6.06-   10  3.03-   10             GLOB UNIF   WV 0 2
1762  LOAD X  501 504    9.09-   30  3.03-   29             GLOB UNIF   WV 0 2
1763  LOAD Y  501 504    9.09-   17  3.03-   17             GLOB UNIF   WV 0 2
1764  LOAD Z  501 504    9.09-   10  3.03-   10             GLOB UNIF   WV 0 2
1765  LOAD X  501 504   12.12-   29  3.03-   29             GLOB UNIF   WV 0 2
1766  LOAD Y  501 504   12.12-   17  3.03-   17             GLOB UNIF   WV 0 2
1767  LOAD Z  501 504   12.12-   10  3.03-   10             GLOB UNIF   WV 0 2
1768  LOAD X  504 506    0.00-   29  3.03-   28             GLOB UNIF   WV 0 2
1769  LOAD Y  504 506    0.00-   17  3.03-   16             GLOB UNIF   WV 0 2
1770  LOAD Z  504 506    0.00-   10  3.03-   10             GLOB UNIF   WV 0 2
1771  LOAD X  504 506    3.03-   28  3.03-   28             GLOB UNIF   WV 0 2
1772  LOAD Y  504 506    3.03-   16  3.03-   16             GLOB UNIF   WV 0 2
1773  LOAD Z  504 506    3.03-   10  3.03-   10             GLOB UNIF   WV 0 2
1774  LOAD X  504 506    6.06-   28  3.03-   27             GLOB UNIF   WV 0 2
1775  LOAD Y  504 505    6.06-   16  3.03-   15             GLOB UNIF   WV 0 2
1776  LOAD Z  504 505    6.06-   10  3.03-   10             GLOB UNIF   WV 0 2
1777  LOAD X  504 506    9.09-   27  3.03-   26             GLOB UNIF   WV 0 2
1778  LOAD Y  504 506    9.09-   15  3.03-   15             GLOB UNIF   WV 0 2
1779  LOAD Z  504 506    9.09-   10  3.03-   11             GLOB UNIF   WV 0 2
1780  LOAD X  504 505   12.12-   26  3.03-   25             GLOB UNIF   WV 0 2
1781  LOAD Y  504 506   12.12-   15  3.03-   15             GLOB UNIF   WV 0 2
1782  LOAD Z  504 505   12.12-   11  3.03-   11             GLOB UNIF   WV 0 2
1783  LOAD X  502 504    0.00    20  3.03    20             GLOB UNIF   WV 0 2
1784  LOAD Y  502 504    0.00-   12  3.03-   12             GLOB UNIF   WV 0 2
1785  LOAD Z  502 504    0.00-   04  3.03-   04             GLOB UNIF   WV 0 2
1786  LOAD X  502 504    3.03    20  3.03    20             GLOB UNIF   WV 0 2
1787  LOAD Y  502 504    3.03-   12  3.03-   12             GLOB UNIF   WV 0 2
1788  LOAD Z  502 504    3.03-   04  3.03-   04             GLOB UNIF   WV 0 2
1789  LOAD X  502 504    6.06    20  3.03    20             GLOB UNIF   WV 0 2
1790  LOAD Y  502 504    6.06-   12  3.03-   11             GLOB UNIF   WV 0 2
1791  LOAD Z  502 504    6.06-   04  3.03-   04             GLOB UNIF   WV 0 2
1792  LOAD X  502 504    9.09    20  3.03    20             GLOB UNIF   WV 0 2
```

LINE NO.	1...5	...1...5	...2...5	...3...0	...3...5	...4...5	...5...0...5...6...0	...6...5...7	...7...5...8
1793	LOAD Y	502 504	9.09-	11	3.03-	11	GLOB	UNIF	WV 0 2
1794	LOAD Z	502 504	9.09-	04	3.03-	05	GLOB	UNIF	WV 0 2
1795	LOAD X	502 504	12.12	20	3.03	19	GLOB	UNIF	WV 0 2
1796	LOAD Y	502 504	12.12-	11	3.03-	11	GLOB	UNIF	WV 0 2
1797	LOAD Z	502 504	12.12-	05	3.03-	05	GLOB	UNIF	WV 0 2
1798	LOAD X	502 505	0.00-	20	3.03-	20	GLOB	UNIF	WV 0 2
1799	LOAD Y	502 505	0.00-	12	3.03-	12	GLOB	UNIF	WV 0 2
1800	LOAD Z	502 505	0.00-	04	3.03-	04	GLOB	UNIF	WV 0 2
1801	LOAD X	502 505	3.03-	20	3.03-	20	GLOB	UNIF	WV 0 2
1802	LOAD Y	502 505	3.03-	12	3.03-	12	GLOB	UNIF	WV 0 2
1803	LOAD Z	502 505	3.03-	04	3.03-	04	GLOB	UNIF	WV 0 2
1804	LOAD X	502 505	6.06-	20	3.03-	20	GLOB	UNIF	WV 0 2
1805	LOAD Y	502 505	6.05-	12	3.03-	11	GLOB	UNIF	WV 0 2
1806	LOAD Z	502 505	6.06-	04	3.03-	04	GLOB	UNIF	WV 0 2
1807	LOAD X	502 505	9.09-	20	3.03-	20	GLOB	UNIF	WV 0 2
1808	LOAD Y	502 505	9.09-	11	3.03-	11	GLOB	UNIF	WV 0 2
1809	LOAD Z	502 505	9.09-	04	3.03-	05	GLOB	UNIF	WV 0 2
1810	LOAD X	502 505	12.12-	20	3.03-	19	GLOB	UNIF	WV 0 2
1811	LOAD Y	502 505	12.12-	11	3.03-	11	GLOB	UNIF	WV 0 2
1812	LOAD Z	502 505	12.12-	05	3.03-	05	GLOB	UNIF	WV 0 2
1813	LOAD Y	504 505	0.00-	45	3.03-	45	GLOB	UNIF	WV 0 2
1814	LOAD Z	504 505	0.00-	05	3.03-	05	GLOB	UNIF	WV 0 2
1815	LOAD Y	504 505	3.03-	45	3.03-	45	GLOB	UNIF	WV 0 2
1816	LOAD Z	504 505	3.03-	05	3.03-	05	GLOB	UNIF	WV 0 2
1817	LOAD Y	504 505	6.06-	45	3.03-	45	GLOB	UNIF	WV 0 2
1818	LOAD Z	504 505	6.06-	05	3.03-	05	GLOB	UNIF	WV 0 2
1819	LOAD Y	504 505	9.10-	45	3.03-	45	GLOB	UNIF	WV 0 2
1820	LOAD Z	504 505	9.10-	05	3.03-	05	GLOB	UNIF	WV 0 2
1821	LOAD Y	504 505	12.13-	45	3.03-	45	GLOB	UNIF	WV 0 2
1822	LOAD Z	504 505	12.13-	05	3.03-	05	GLOB	UNIF	WV 0 2
1823	LOAD X	501 513	0.00-	23	.60-	23	GLOB	UNIF	WV 0 2
1824	LOAD Y	501 513	0.00-	39	.60-	39	GLOB	UNIF	WV 0 2
1825	LOAD Z	501 513	0.00-	05	.60-	05	GLOB	UNIF	WV 0 2
1826	LOAD X	501 513	.60-	23	.60-	23	GLOB	UNIF	WV 0 2
1827	LOAD Y	501 513	.60-	39	.60-	39	GLOB	UNIF	WV 0 2
1828	LOAD Z	501 513	.60-	05	.60-	05	GLOB	UNIF	WV 0 2
1829	LOAD	501 513	1.20-	23	.60-	23	GLOB	UNIF	WV 0 2
1830	LOAD	501 513	1.20-	39	.60-	39	GLOB	UNIF	WV 0 2
1831	LOAD Z	501 513	1.20-	05	.60-	05	GLOB	UNIF	WV 0 2
1832	LOAD X	501 513	1.80-	23	.60-	23	GLOB	UNIF	WV 0 2
1833	LOAD Y	501 513	1.80-	39	.60-	39	GLOB	UNIF	WV 0 2
1834	LOAD Z	501 513	1.80-	05	.60-	05	GLOB	UNIF	WV 0 2
1835	LOAD X	501 513	2.39-	23	.60-	23	GLOB	UNIF	WV 0 2
1836	LOAD Y	501 513	2.39-	39	.60-	39	GLOB	UNIF	WV 0 2
1837	LOAD Z	501 513	2.39-	05	.60-	05	GLOB	UNIF	WV 0 2
1838	LOAD X	503 514	0.00	23	.60	23	GLOB	UNIF	WV 0 2
1839	LOAD Y	503 514	0.00-	39	.60-	39	GLOB	UNIF	WV 0 2
1840	LOAD Z	503 514	0.00-	05	.60-	05	GLOB	UNIF	WV 0 2
1841	LOAD X	503 514	.60	23	.60	23	GLOB	UNIF	WV 0 2
1842	LOAD Y	503 514	.60-	39	.60-	39	GLOB	UNIF	WV 0 2

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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1043	LOAD	Z	503	514	.60-	05	.60-	05	GLOB	UNIF	WV	0	2
1044	LOAD	X	503	514	1.20	23	.60	23	GLOB	UNIF	WV	0	2
1045	LOAD	Y	503	514	1.20-	39	.60-	39	GLOB	UNIF	WV	0	2
1046	LOAD	Z	503	514	1.20-	05	.60-	05	GLOB	UNIF	WV	0	2
1047	LOAD	X	503	514	1.80	23	.60	23	GLOB	UNIF	WV	0	2
1048	LOAD	Y	503	514	1.80-	39	.60-	39	GLOB	UNIF	WV	0	2
1049	LOAD	Z	503	514	1.80-	05	.60-	05	GLOB	UNIF	WV	0	2
1050	LOAD	X	503	514	2.39	23	.60	23	GLOB	UNIF	WV	0	2
1051	LOAD	Y	503	514	2.39-	39	.60-	39	GLOB	UNIF	WV	0	2
1052	LOAD	Z	503	514	2.39-	05	.60-	05	GLOB	UNIF	WV	0	2
1053	LOAD	Y	513	651	0.00-	189	3.60-	172	GLOB	UNIF	WV	0	2
1054	LOAD	Y	513	651	3.60-	172	3.60-	160	GLOB	UNIF	WV	0	2
1055	LOAD	Y	513	651	7.20-	160	3.60-	147	GLOB	UNIF	WV	0	2
1056	LOAD	Y	513	651	10.80-	147	3.60-	137	GLOB	UNIF	WV	0	2
1057	LOAD	Y	513	651	14.40-	137	3.60-	126	GLOB	UNIF	WV	0	2
1058	LOAD	Y	514	653	0.00-	189	3.60-	172	GLOB	UNIF	WV	0	2
1059	LOAD	Y	514	653	3.60-	172	3.60-	160	GLOB	UNIF	WV	0	2
1060	LOAD	Y	514	653	7.20-	160	3.60-	147	GLOB	UNIF	WV	0	2
1061	LOAD	Y	514	653	10.80-	147	3.60-	137	GLOB	UNIF	WV	0	2
1062	LOAD	Y	514	653	14.40-	137	3.60-	126	GLOB	UNIF	WV	0	2
1063	LOAD	Z	601	611	0.00-	06	1.20-	06	GLOB	UNIF	WV	0	2
1064	LOAD	Z	601	611	1.20-	06	1.20-	06	GLOB	UNIF	WV	0	2
1065	LOAD	Z	601	611	2.40-	06	1.20-	06	GLOB	UNIF	WV	0	2
1066	LOAD	Z	601	611	3.60-	06	1.20-	05	GLOB	UNIF	WV	0	2
1067	LOAD	Z	601	611	4.80-	05	1.20-	05	GLOB	UNIF	WV	0	2
1068	LOAD	Z	603	613	0.00-	06	1.20-	06	GLOB	UNIF	WV	0	2
1069	LOAD	Z	603	613	1.20-	06	1.20-	06	GLOB	UNIF	WV	0	2
1070	LOAD	Z	603	613	2.40-	06	1.20-	06	GLOB	UNIF	WV	0	2
1071	LOAD	Z	603	613	3.60-	06	1.20-	05	GLOB	UNIF	WV	0	2
1072	LOAD	Z	603	613	4.80-	05	1.20-	05	GLOB	UNIF	WV	0	2
1073	LOAD	Z	651	661	0.00-	02	1.00-	02	GLOB	UNIF	WV	0	2
1074	LOAD	Z	651	661	1.00-	02	1.00-	02	GLOB	UNIF	WV	0	2
1075	LOAD	Z	651	661	2.00-	02	1.00-	1	GLOB	UNIF	WV	0	2
1076	LOAD	Z	651	661	3.00-	1	1.00-	1	GLOB	UNIF	WV	0	2
1077	LOAD	Z	651	661	4.00-	1	1.00-	1	GLOB	UNIF	WV	0	2
1078	LOAD	Z	653	663	0.00-	02	1.00-	02	GLOB	UNIF	WV	0	2
1079	LOAD	Z	653	663	1.00-	02	1.00-	02	GLOB	UNIF	WV	0	2
1080	LOAD	Z	653	663	2.00-	02	1.00-	1	GLOB	UNIF	WV	0	2
1081	LOAD	Z	653	663	3.00-	1	1.00-	1	GLOB	UNIF	WV	0	2
1082	LOAD	Z	653	663	4.00-	1	1.00-	1	GLOB	UNIF	WV	0	2
1083	LOAD	Y	611	612	0.00-	45	3.20-	45	GLOB	UNIF	WV	0	2
1084	LOAD	Z	611	612	0.00-	04	3.20-	04	GLOB	UNIF	WV	0	2
1085	LOAD	Y	611	612	3.20-	45	3.20-	45	GLOB	UNIF	WV	0	2
1086	LOAD	Z	611	612	3.20-	04	3.20-	04	GLOB	UNIF	WV	0	2
1087	LOAD	Y	611	612	6.40-	45	3.20-	45	GLOB	UNIF	WV	0	2
1088	LOAD	Z	611	612	6.40-	04	3.20-	04	GLOB	UNIF	WV	0	2
1089	LOAD	Y	611	612	9.61-	45	3.20-	45	GLOB	UNIF	WV	0	2
1090	LOAD	Z	611	612	9.61-	04	3.20-	04	GLOB	UNIF	WV	0	2
1091	LOAD	Y	611	612	12.81-	45	3.20-	45	GLOB	UNIF	WV	0	2
1092	LOAD	Z	611	612	12.81-	04	3.20-	04	GLOB	UNIF	WV	0	2

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                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
1893	LOAD	Y	612	613	0.00-	45	3.20-	45	GLOB	UNIF	WV	0	2
1894	LOAD	Z	612	613	0.00-	04	3.20-	04	GLOB	UNIF	WV	0	2
1895	LOAD	Y	612	613	3.20-	45	3.20-	45	GLOB	UNIF	WV	0	2
1896	LOAD	Z	612	613	3.20-	04	3.20-	04	GLOB	UNIF	WV	0	2
1897	LOAD	Y	612	613	6.40-	45	3.20-	45	GLOB	UNIF	WV	0	2
1898	LOAD	Z	612	613	6.40-	04	3.20-	04	GLOB	UNIF	WV	0	2
1899	LOAD	Y	612	613	9.61-	45	3.20-	45	GLOB	UNIF	WV	0	2
1900	LOAD	Z	612	613	9.61-	04	3.20-	04	GLOB	UNIF	WV	0	2
1901	LOAD	Y	612	613	12.81-	45	3.20-	45	GLOB	UNIF	WV	0	2
1902	LOAD	Z	612	613	12.81-	04	3.20-	04	GLOB	UNIF	WV	0	2
1903	LOAD	Y	601	602	0.00-	77	3.55-	77	GLOB	UNIF	WV	0	2
1904	LOAD	Z	601	602	0.00-	03	3.55-	03	GLOB	UNIF	WV	0	2
1905	LOAD	Y	601	602	3.55-	77	3.55-	77	GLOB	UNIF	WV	0	2
1906	LOAD	Z	601	602	3.55-	03	3.55-	03	GLOB	UNIF	WV	0	2
1907	LOAD	Y	601	602	7.10-	77	3.55-	77	GLOB	UNIF	WV	0	2
1908	LOAD	Z	601	602	7.10-	03	3.55-	03	GLOB	UNIF	WV	0	2
1909	LOAD	Y	601	602	10.64-	77	3.55-	77	GLOB	UNIF	WV	0	2
1910	LOAD	Z	601	602	10.64-	03	3.55-	03	GLOB	UNIF	WV	0	2
1911	LOAD	Y	601	602	14.19-	77	3.55-	77	GLOB	UNIF	WV	0	2
1912	LOAD	Z	601	602	14.19-	03	3.55-	03	GLOB	UNIF	WV	0	2
1913	LOAD	Y	602	603	0.00-	77	3.55-	77	GLOB	UNIF	WV	0	2
1914	LOAD	Z	602	603	0.00-	03	3.55-	03	GLOB	UNIF	WV	0	2
1915	LOAD	Y	602	603	3.55-	77	3.55-	77	GLOB	UNIF	WV	0	2
1916	LOAD	Z	602	603	3.55-	03	3.55-	03	GLOB	UNIF	WV	0	2
1917	LOAD	Y	602	603	7.10-	77	3.55-	77	GLOB	UNIF	WV	0	2
1918	LOAD	Z	602	603	7.10-	03	3.55-	03	GLOB	UNIF	WV	0	2
1919	LOAD	Y	602	603	10.64-	77	3.55-	77	GLOB	UNIF	WV	0	2
1920	LOAD	Z	602	603	10.64-	03	3.55-	03	GLOB	UNIF	WV	0	2
1921	LOAD	Y	602	603	14.19-	77	3.55-	77	GLOB	UNIF	WV	0	2
1922	LOAD	Z	602	603	14.19-	03	3.55-	03	GLOB	UNIF	WV	0	2
1923	LOAD	A	611	601	0.00-	04	2.42-	04	GLOB	UNIF	WV	0	2
1924	LOAD	Y	611	601	0.00-	121	2.42-	115	GLOB	UNIF	WV	0	2
1925	LOAD	A	611	601	2.42-	04	2.42-	03	GLOB	UNIF	WV	0	2
1926	LOAD	Y	611	601	2.42-	115	2.42-	109	GLOB	UNIF	WV	0	2
1927	LOAD	A	611	601	4.85-	03	2.42-	03	GLOB	UNIF	WV	0	2
1928	LOAD	Y	611	601	4.85-	109	2.42-	103	GLOB	UNIF	WV	0	2
1929	LOAD	A	611	601	7.27-	03	2.42-	03	GLOB	UNIF	WV	0	2
1930	LOAD	Y	611	601	7.27-	103	2.42-	99	GLOB	UNIF	WV	0	2
1931	LOAD	A	611	601	9.70-	03	2.42-	03	GLOB	UNIF	WV	0	2
1932	LOAD	Y	611	601	9.70-	99	2.42-	95	GLOB	UNIF	WV	0	2
1933	LOAD	Y	612	602	0.00-	77	2.40-	73	GLOB	UNIF	WV	0	2
1934	LOAD	Y	612	602	2.40-	73	2.40-	70	GLOB	UNIF	WV	0	2
1935	LOAD	Y	612	602	4.80-	70	2.40-	66	GLOB	UNIF	WV	0	2
1936	LOAD	Y	612	602	7.20-	66	2.40-	63	GLOB	UNIF	WV	0	2
1937	LOAD	Y	612	602	9.60-	63	2.40-	61	GLOB	UNIF	WV	0	2
1938	LOAD	A	613	603	0.00	04	2.42	04	GLOB	UNIF	WV	0	2
1939	LOAD	Y	613	603	0.00-	121	2.42-	115	GLOB	UNIF	WV	0	2
1940	LOAD	A	613	603	2.42	04	2.42	03	GLOB	UNIF	WV	0	2
1941	LOAD	Y	613	603	2.42-	115	2.42-	109	GLOB	UNIF	WV	0	2
1942	LOAD	A	613	603	4.85	03	2.42	03	GLOB	UNIF	WV	0	2

LINE NO.											
1943	LOAD	Y	613 663	4.65-	109	2.42-	103	GLOB	UNIF	WV	0 2
1944	LOAD	X	613 663	7.27	03	2.42-	03	GLOB	UNIF	WV	0 2
1945	LOAD	Y	613 663	7.27-	103	2.42-	99	GLOB	UNIF	WV	0 2
1946	LOAD	X	613 663	9.70	03	2.42	03	GLOB	UNIF	WV	0 2
1947	LOAD	Y	613 663	9.70-	99	2.42-	95	GLOB	UNIF	WV	0 2
1948	LOAD	X	501 632	0.00	10	4.05	10	GLOB	UNIF	WV	0 2
1949	LOAD	Y	501 632	0.00-	88	4.05-	83	GLOB	UNIF	WV	0 2
1950	LOAD	Z	501 632	0.00-	07	4.05-	07	GLOB	UNIF	WV	0 2
1951	LOAD	X	501 632	4.05	10	4.05	09	GLOB	UNIF	WV	0 2
1952	LOAD	Y	501 632	4.05-	83	4.05-	78	GLOB	UNIF	WV	0 2
1953	LOAD	Z	501 632	4.05-	07	4.05-	06	GLOB	UNIF	WV	0 2
1954	LOAD	X	501 632	8.10	09	4.05	09	GLOB	UNIF	WV	0 2
1955	LOAD	Y	501 632	8.10-	78	4.05-	75	GLOB	UNIF	WV	0 2
1956	LOAD	Z	501 632	8.10-	06	4.05-	06	GLOB	UNIF	WV	0 2
1957	LOAD	X	501 632	12.15	09	4.05	09	GLOB	UNIF	WV	0 2
1958	LOAD	Y	501 632	12.15-	75	4.05-	71	GLOB	UNIF	WV	0 2
1959	LOAD	Z	501 632	12.15-	06	4.05-	06	GLOB	UNIF	WV	0 2
1960	LOAD	X	501 632	16.20	09	4.05	08	GLOB	UNIF	WV	0 2
1961	LOAD	Y	501 632	16.20-	71	4.05-	67	GLOB	UNIF	WV	0 2
1962	LOAD	Z	501 632	16.20-	06	4.05-	06	GLOB	UNIF	WV	0 2
1963	LOAD	X	503 635	0.00	20	4.05	18	GLOB	UNIF	WV	0 2
1964	LOAD	Y	503 635	0.00-	49	4.05-	46	GLOB	UNIF	WV	0 2
1965	LOAD	Z	503 635	0.00-	47	4.05-	44	GLOB	UNIF	WV	0 2
1966	LOAD	X	503 635	4.05	18	4.05	17	GLOB	UNIF	WV	0 2
1967	LOAD	Y	503 635	4.05-	46	4.05-	43	GLOB	UNIF	WV	0 2
1968	LOAD	Z	503 635	4.05-	44	4.05-	42	GLOB	UNIF	WV	0 2
1969	LOAD	X	503 635	8.10	17	4.05	16	GLOB	UNIF	WV	0 2
1970	LOAD	Y	503 635	8.10-	43	4.05-	41	GLOB	UNIF	WV	0 2
1971	LOAD	Z	503 635	8.10-	42	4.05-	40	GLOB	UNIF	WV	0 2
1972	LOAD	X	503 635	12.15	16	4.05	15	GLOB	UNIF	WV	0 2
1973	LOAD	Y	503 635	12.15-	41	4.05-	38	GLOB	UNIF	WV	0 2
1974	LOAD	Z	503 635	12.15-	40	4.05-	38	GLOB	UNIF	WV	0 2
1975	LOAD	X	503 635	16.20	15	4.05	13	GLOB	UNIF	WV	0 2
1976	LOAD	Y	503 635	16.20-	38	4.05-	36	GLOB	UNIF	WV	0 2
1977	LOAD	Z	503 635	16.20-	38	4.05-	35	GLOB	UNIF	WV	0 2
1978	LOAD	X	506 634	0.00-	25	4.05-	25	GLOB	UNIF	WV	0 2
1979	LOAD	Y	506 634	0.00-	32	4.05-	32	GLOB	UNIF	WV	0 2
1980	LOAD	Z	506 634	0.00	18	4.05	17	GLOB	UNIF	WV	0 2
1981	LOAD	X	506 634	4.05-	25	4.05-	24	GLOB	UNIF	WV	0 2
1982	LOAD	Y	506 634	4.05-	32	4.05-	32	GLOB	UNIF	WV	0 2
1983	LOAD	Z	506 634	4.05	17	4.05	18	GLOB	UNIF	WV	0 2
1984	LOAD	X	506 634	8.10-	24	4.05-	24	GLOB	UNIF	WV	0 2
1985	LOAD	Y	506 634	8.10-	32	4.05-	31	GLOB	UNIF	WV	0 2
1986	LOAD	Z	506 634	8.10	18	4.05	18	GLOB	UNIF	WV	0 2
1987	LOAD	X	506 634	12.14-	24	4.05-	23	GLOB	UNIF	WV	0 2
1988	LOAD	Y	506 634	12.14-	31	4.05-	31	GLOB	UNIF	WV	0 2
1989	LOAD	Z	506 634	12.14	18	4.05	17	GLOB	UNIF	WV	0 2
1990	LOAD	X	506 634	16.19-	23	4.05-	22	GLOB	UNIF	WV	0 2
1991	LOAD	Y	506 634	16.19-	31	4.05-	30	GLOB	UNIF	WV	0 2
1992	LOAD	Z	506 634	16.19	17	4.05	17	GLOB	UNIF	WV	0 2

LINE NO.									
1993	LOAD X	652 703	0.00	10	4.39	09	GLOB UNIF	WV 0 2
1994	LOAD Y	652 703	0.00-	100	4.39-	95	GLOB UNIF	WV 0 2
1995	LOAD Z	652 703	0.00-	05	4.39-	05	GLOB UNIF	WV 0 2
1996	LOAD X	652 703	4.39	09	4.39	09	GLOB UNIF	WV 0 2
1997	LOAD Y	652 703	4.39-	95	4.39-	91	GLOB UNIF	WV 0 2
1998	LOAD Z	652 703	4.39-	05	4.39-	04	GLOB UNIF	WV 0 2
1999	LOAD X	652 703	8.77	09	4.39	08	GLOB UNIF	WV 0 2
2000	LOAD Y	652 703	8.77-	91	4.39-	87	GLOB UNIF	WV 0 2
2001	LOAD Z	652 703	8.77-	04	4.39-	04	GLOB UNIF	WV 0 2
2002	LOAD X	652 703	13.16	08	4.39	08	GLOB UNIF	WV 0 2
2003	LOAD Y	652 703	13.16-	87	4.39-	82	GLOB UNIF	WV 0 2
2004	LOAD Z	652 703	13.16-	04	4.39-	04	GLOB UNIF	WV 0 2
2005	LOAD X	652 703	17.55	08	4.39	08	GLOB UNIF	WV 0 2
2006	LOAD Y	652 703	17.55-	82	4.39-	78	GLOB UNIF	WV 0 2
2007	LOAD Z	652 703	17.55-	04	4.39-	04	GLOB UNIF	WV 0 2
2008	LOAD X	655 706	0.00	22	4.39	20	GLOB UNIF	WV 0 2
2009	LOAD Y	655 706	0.00-	52	4.39-	48	GLOB UNIF	WV 0 2
2010	LOAD Z	655 706	0.00-	50	4.39-	48	GLOB UNIF	WV 0 2
2011	LOAD X	655 706	4.39	20	4.39	19	GLOB UNIF	WV 0 2
2012	LOAD Y	655 706	4.39-	48	4.39-	45	GLOB UNIF	WV 0 2
2013	LOAD Z	655 706	4.39-	46	4.39-	43	GLOB UNIF	WV 0 2
2014	LOAD X	655 706	8.77	19	4.39	17	GLOB UNIF	WV 0 2
2015	LOAD Y	655 706	8.77-	45	4.39-	42	GLOB UNIF	WV 0 2
2016	LOAD Z	655 706	8.77-	43	4.39-	40	GLOB UNIF	WV 0 2
2017	LOAD X	655 706	13.16	17	4.39	16	GLOB UNIF	WV 0 2
2018	LOAD Y	655 706	13.16-	42	4.39-	39	GLOB UNIF	WV 0 2
2019	LOAD Z	655 706	13.16-	40	4.39-	38	GLOB UNIF	WV 0 2
2020	LOAD X	655 706	17.55	16	4.39	14	GLOB UNIF	WV 0 2
2021	LOAD Y	655 706	17.55-	39	4.39-	36	GLOB UNIF	WV 0 2
2022	LOAD Z	655 706	17.55-	38	4.39-	35	GLOB UNIF	WV 0 2
2023	LOAD X	654 701	0.00-	32	4.39-	31	GLOB UNIF	WV 0 2
2024	LOAD Y	654 701	0.00-	48	4.39-	46	GLOB UNIF	WV 0 2
2025	LOAD Z	654 701	0.00	30	4.39	29	GLOB UNIF	WV 0 2
2026	LOAD X	654 701	4.39-	31	4.39-	30	GLOB UNIF	WV 0 2
2027	LOAD Y	654 701	4.39-	46	4.39-	45	GLOB UNIF	WV 0 2
2028	LOAD Z	654 701	4.39	29	4.39	28	GLOB UNIF	WV 0 2
2029	LOAD X	654 701	8.77-	30	4.39-	29	GLOB UNIF	WV 0 2
2030	LOAD Y	654 701	8.77-	45	4.39-	43	GLOB UNIF	WV 0 2
2031	LOAD Z	654 701	8.77	28	4.39	27	GLOB UNIF	WV 0 2
2032	LOAD X	654 701	13.16-	29	4.39-	27	GLOB UNIF	WV 0 2
2033	LOAD Y	654 701	13.16-	43	4.39-	41	GLOB UNIF	WV 0 2
2034	LOAD Z	654 701	13.16	27	4.39	26	GLOB UNIF	WV 0 2
2035	LOAD X	654 701	17.55-	27	4.39-	26	GLOB UNIF	WV 0 2
2036	LOAD Y	654 701	17.55-	41	4.39-	40	GLOB UNIF	WV 0 2
2037	LOAD Z	654 701	17.55	26	4.39	25	GLOB UNIF	WV 0 2
2038	LOAD Y	701 702	0.00-	52	3.75-	52	GLOB UNIF	WV 0 2
2039	LOAD Z	701 702	0.00-	03	3.75-	03	GLOB UNIF	WV 0 2
2040	LOAD Y	701 702	3.75-	52	3.75-	52	GLOB UNIF	WV 0 2
2041	LOAD Z	701 702	3.75-	03	3.75-	03	GLOB UNIF	WV 0 2
2042	LOAD Y	701 702	7.50-	52	3.75-	52	GLOB UNIF	WV 0 2

LINE NO.											
2043	LOAD Z	701	702	7.50-	03	3.75-	03	GLOB	UNIF	WV	0 2
2044	LOAD Y	701	702	11.26-	52	3.75-	52	GLOB	UNIF	WV	0 2
2045	LOAD Z	701	702	11.26-	03	3.75-	03	GLOB	UNIF	WV	0 2
2046	LOAD Y	701	702	15.01-	52	3.75-	52	GLOB	UNIF	WV	0 2
2047	LOAD Z	701	702	15.01-	03	3.75-	03	GLOB	UNIF	WV	0 2
2048	LOAD Y	702	703	0.00-	52	3.75-	52	GLOB	UNIF	WV	0 2
2049	LOAD Z	702	703	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 2
2050	LOAD Y	702	703	3.75-	52	3.75-	52	GLOB	UNIF	WV	0 2
2051	LOAD Z	702	703	3.75-	03	3.75-	03	GLOB	UNIF	WV	0 2
2052	LOAD Y	702	703	7.50-	52	3.75-	52	GLOB	UNIF	WV	0 2
2053	LOAD Z	702	703	7.50-	03	3.75-	03	GLOB	UNIF	WV	0 2
2054	LOAD Y	702	703	11.26-	52	3.75-	52	GLOB	UNIF	WV	0 2
2055	LOAD Z	702	703	11.26-	03	3.75-	03	GLOB	UNIF	WV	0 2
2056	LOAD Y	702	703	15.01-	52	3.75-	52	GLOB	UNIF	WV	0 2
2057	LOAD Z	702	703	15.01-	03	3.75-	03	GLOB	UNIF	WV	0 2
2058	LOAD X	703	705	0.00	22	3.75	22	GLOB	UNIF	WV	0 2
2059	LOAD Y	703	705	0.00-	13	3.75-	13	GLOB	UNIF	WV	0 2
2060	LOAD Z	703	705	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 2
2061	LOAD X	703	705	3.75	22	3.75	22	GLOB	UNIF	WV	0 2
2062	LOAD Y	703	705	3.75-	13	3.75-	13	GLOB	UNIF	WV	0 2
2063	LOAD Z	703	705	3.75-	03	3.75-	03	GLOB	UNIF	WV	0 2
2064	LOAD X	703	705	7.50	22	3.75	22	GLOB	UNIF	WV	0 2
2065	LOAD Y	703	705	7.50-	13	3.75-	13	GLOB	UNIF	WV	0 2
2066	LOAD Z	703	705	7.50-	03	3.75-	03	GLOB	UNIF	WV	0 2
2067	LOAD X	703	705	11.25	22	3.75	22	GLOB	UNIF	WV	0 2
2068	LOAD Y	703	705	11.25-	13	3.75-	13	GLOB	UNIF	WV	0 2
2069	LOAD Z	703	705	11.25-	03	3.75-	03	GLOB	UNIF	WV	0 2
2070	LOAD X	703	705	15.00	22	3.75	22	GLOB	UNIF	WV	0 2
2071	LOAD Y	703	705	15.00-	13	3.75-	13	GLOB	UNIF	WV	0 2
2072	LOAD Z	703	705	15.00-	03	3.75-	03	GLOB	UNIF	WV	0 2
2073	LOAD X	705	706	0.00	22	3.75	22	GLOB	UNIF	WV	0 2
2074	LOAD Y	705	706	0.00-	13	3.75-	13	GLOB	UNIF	WV	0 2
2075	LOAD Z	705	706	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 2
2076	LOAD X	705	706	3.75	22	3.75	21	GLOB	UNIF	WV	0 2
2077	LOAD Y	705	706	3.75-	13	3.75-	12	GLOB	UNIF	WV	0 2
2078	LOAD Z	705	706	3.75-	03	3.75-	03	GLOB	UNIF	WV	0 2
2079	LOAD X	705	706	7.51	21	3.75	21	GLOB	UNIF	WV	0 2
2080	LOAD Y	705	706	7.51-	12	3.75-	12	GLOB	UNIF	WV	0 2
2081	LOAD Z	705	706	7.51-	03	3.75-	04	GLOB	UNIF	WV	0 2
2082	LOAD X	705	706	11.26	21	3.75	20	GLOB	UNIF	WV	0 2
2083	LOAD Y	705	706	11.26-	12	3.75-	12	GLOB	UNIF	WV	0 2
2084	LOAD Z	705	706	11.26-	04	3.75-	04	GLOB	UNIF	WV	0 2
2085	LOAD X	705	706	15.01	20	3.75	20	GLOB	UNIF	WV	0 2
2086	LOAD Y	705	706	15.01-	12	3.75-	11	GLOB	UNIF	WV	0 2
2087	LOAD Z	705	706	15.01-	04	3.75-	04	GLOB	UNIF	WV	0 2
2088	LOAD X	701	704	0.00-	22	3.75-	22	GLOB	UNIF	WV	0 2
2089	LOAD Y	701	704	0.00-	13	3.75-	13	GLOB	UNIF	WV	0 2
2090	LOAD Z	701	704	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 2
2091	LOAD X	701	704	3.75-	22	3.75-	22	GLOB	UNIF	WV	0 2
2092	LOAD Y	701	704	3.75-	13	3.75-	13	GLOB	UNIF	WV	0 2

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

2093	LOAD	Z	701	704	3.75-	03	3.75-	03	GLOB	UNIF	WV	0	2
2094	LOAD	X	701	704	7.50-	22	3.75-	22	GLOB	UNIF	WV	0	2
2095	LOAD	Y	701	704	7.50-	13	3.75-	13	GLOB	UNIF	WV	0	2
2096	LOAD	Z	701	704	7.50-	03	3.75-	03	GLOB	UNIF	WV	0	2
2097	LOAD	X	701	704	11.25-	22	3.75-	22	GLOB	UNIF	WV	0	2
2098	LOAD	Y	701	704	11.25-	13	3.75-	13	GLOB	UNIF	WV	0	2
2099	LOAD	Z	701	704	11.25-	03	3.75-	03	GLOB	UNIF	WV	0	2
2100	LOAD	X	701	704	15.00-	22	3.75-	22	GLOB	UNIF	WV	0	2
2101	LOAD	Y	701	704	15.00-	13	3.75-	13	GLOB	UNIF	WV	0	2
2102	LOAD	Z	701	704	15.00-	03	3.75-	03	GLOB	UNIF	WV	0	2
2103	LOAD	X	704	706	0.00-	22	3.75-	22	GLOB	UNIF	WV	0	2
2104	LOAD	Y	704	706	0.00-	13	3.75-	13	GLOB	UNIF	WV	0	2
2105	LOAD	Z	704	706	0.00-	03	3.75-	03	GLOB	UNIF	WV	0	2
2106	LOAD	X	704	706	3.75-	22	3.75-	21	GLOB	UNIF	WV	0	2
2107	LOAD	Y	704	706	3.75-	13	3.75-	12	GLOB	UNIF	WV	0	2
2108	LOAD	Z	704	706	3.75-	03	3.75-	03	GLOB	UNIF	WV	0	2
2109	LOAD	X	704	706	7.51-	21	3.75-	21	GLOB	UNIF	WV	0	2
2110	LOAD	Y	704	706	7.51-	12	3.75-	12	GLOB	UNIF	WV	0	2
2111	LOAD	Z	704	706	7.51-	03	3.75-	04	GLOB	UNIF	WV	0	2
2112	LOAD	X	704	706	11.26-	21	3.75-	20	GLOB	UNIF	WV	0	2
2113	LOAD	Y	704	706	11.26-	12	3.75-	12	GLOB	UNIF	WV	0	2
2114	LOAD	Z	704	706	11.26-	04	3.75-	04	GLOB	UNIF	WV	0	2
2115	LOAD	X	704	706	15.01-	20	3.75-	20	GLOB	UNIF	WV	0	2
2116	LOAD	Y	704	706	15.01-	12	3.75-	11	GLOB	UNIF	KV	0	2
2117	LOAD	Z	704	706	15.01-	04	3.75-	04	GLOB	UNIF	WV	0	2
2118	LOAD	X	702	704	0.00	19	3.75	19	GLOB	UNIF	WV	0	2
2119	LOAD	Y	702	704	0.00-	11	3.75-	11	GLOB	UNIF	WV	0	2
2120	LOAD	Z	702	704	0.00-	02	3.75-	02	GLOB	UNIF	WV	0	2
2121	LOAD	X	702	704	3.75	19	3.75	19	GLOB	UNIF	WV	0	2
2122	LOAD	Y	702	704	3.75-	11	3.75-	11	GLOB	UNIF	WV	0	2
2123	LOAD	Z	702	704	3.75-	02	3.75-	02	GLOB	UNIF	WV	0	2
2124	LOAD	X	702	704	7.50	19	3.75	19	GLOB	UNIF	WV	0	2
2125	LOAD	Y	702	704	7.50-	11	3.75-	11	GLOB	UNIF	WV	0	2
2126	LOAD	Z	702	704	7.50-	02	3.75-	02	GLOB	UNIF	WV	0	2
2127	LOAD	X	702	704	11.25	19	3.75	19	GLOB	UNIF	WV	0	2
2128	LOAD	Y	702	704	11.25-	11	3.75-	11	GLOB	UNIF	WV	0	2
2129	LOAD	Z	702	704	11.25-	02	3.75-	02	GLOB	UNIF	WV	0	2
2130	LOAD	X	702	704	15.00	19	3.75	19	GLOB	UNIF	WV	0	2
2131	LOAD	Y	702	704	15.00-	11	3.75-	11	GLOB	UNIF	WV	0	2
2132	LOAD	Z	702	704	15.00-	02	3.75-	02	GLOB	UNIF	WV	0	2
2133	LOAD	X	702	705	0.00-	19	3.75-	19	GLOB	UNIF	WV	0	2
2134	LOAD	Y	702	705	0.00-	11	3.75-	11	GLOB	UNIF	WV	0	2
2135	LOAD	Z	702	705	0.00-	02	3.75-	02	GLOB	UNIF	WV	0	2
2136	LOAD	X	702	705	3.75-	19	3.75-	19	GLOB	UNIF	WV	0	2
2137	LOAD	Y	702	705	3.75-	11	3.75-	11	GLOB	UNIF	WV	0	2
2138	LOAD	Z	702	705	3.75-	02	3.75-	02	GLOB	UNIF	WV	0	2
2139	LOAD	X	702	705	7.50-	19	3.75-	19	GLOB	UNIF	WV	0	2
2140	LOAD	Y	702	705	7.50-	11	3.75-	11	GLOB	UNIF	WV	0	2
2141	LOAD	Z	702	705	7.50-	02	3.75-	02	GLOB	UNIF	WV	0	2
2142	LOAD	X	702	705	11.25-	19	3.75-	19	GLOB	UNIF	WV	0	2

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              1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2143	LOAD Y	702 705	11.25-	11	3.75-	11	GLOB UNIF	WV 0 2		
2144	LOAD Z	702 705	11.25-	02	3.75-	02	GLOB UNIF	WV 0 2		
2145	LOAD X	702 705	15.00-	19	3.75-	19	GLOB UNIF	WV 0 2		
2146	LOAD Y	702 705	15.00-	11	3.75-	11	GLOB UNIF	WV 0 2		
2147	LOAD Z	702 705	15.00-	02	3.75-	02	GLOB UNIF	WV 0 2		
2148	LOAD Y	704 705	0.00-	44	3.75-	44	GLOB UNIF	WV 0 2		
2149	LOAD Z	704 705	0.00-	02	3.75-	02	GLOB UNIF	WV 0 2		
2150	LOAD Y	704 705	3.75-	44	3.75-	44	GLOB UNIF	WV 0 2		
2151	LOAD Z	704 705	3.75-	02	3.75-	02	GLOB UNIF	WV 0 2		
2152	LOAD Y	704 705	7.50-	44	3.75-	44	GLOB UNIF	WV 0 2		
2153	LOAD Z	704 705	7.50-	02	3.75-	02	GLOB UNIF	WV 0 2		
2154	LOAD Y	704 705	11.26-	44	3.75-	44	GLOB UNIF	WV 0 2		
2155	LOAD Z	704 705	11.26-	02	3.75-	02	GLOB UNIF	WV 0 2		
2156	LOAD Y	704 705	15.01-	44	3.75-	44	GLOB UNIF	WV 0 2		
2157	LOAD Z	704 705	15.01-	02	3.75-	02	GLOB UNIF	WV 0 2		
2158	LOAD X	701 806	0.00-	17	10.89-	15	GLOB UNIF	WV 0 2		
2159	LOAD Y	701 806	0.00-	44	10.89-	39	GLOB UNIF	WV 0 2		
2160	LOAD Z	701 806	0.00-	40	10.89-	36	GLOB UNIF	WV 0 2		
2161	LOAD X	701 806	10.89-	15	10.89-	13	GLOB UNIF	WV 0 2		
2162	LOAD Y	701 806	10.89-	39	10.89-	34	GLOB UNIF	WV 0 2		
2163	LOAD Z	701 806	10.89-	36	10.89-	31	GLOB UNIF	WV 0 2		
2164	LOAD X	701 806	21.78-	13	10.89-	11	GLOB UNIF	WV 0 2		
2165	LOAD Y	701 806	21.78-	34	10.89-	30	GLOB UNIF	WV 0 2		
2166	LOAD Z	701 806	21.78-	31	10.89-	27	GLOB UNIF	WV 0 2		
2167	LOAD X	701 806	32.67-	11	10.89-	10	GLOB UNIF	WV 0 2		
2168	LOAD Y	701 806	32.67-	30	10.89-	25	GLOB UNIF	WV 0 2		
2169	LOAD Z	701 806	32.67-	27	10.89-	23	GLOB UNIF	WV 0 2		
2170	LOAD X	701 806	43.56-	10	10.89-	06	GLOB UNIF	WV 0 2		
2171	LOAD Y	701 806	43.56-	25	10.89-	21	GLOB UNIF	WV 0 2		
2172	LOAD Z	701 806	43.56-	23	10.89-	19	GLOB UNIF	WV 0 2		
2173	LOAD X	703 801	0.00-	08	10.89-	07	GLOB UNIF	WV 0 2		
2174	LOAD Y	703 801	0.00-	78	10.89-	69	GLOB UNIF	WV 0 2		
2175	LOAD Z	703 801	0.00-	03	10.89-	03	GLOB UNIF	WV 0 2		
2176	LOAD X	703 801	10.89-	07	10.89-	06	GLOB UNIF	WV 0 2		
2177	LOAD Y	703 801	10.89-	69	10.89-	63	GLOB UNIF	WV 0 2		
2178	LOAD Z	703 801	10.89-	03	10.89-	02	GLOB UNIF	WV 0 2		
2179	LOAD X	703 801	21.78-	06	10.89-	05	GLOB UNIF	WV 0 2		
2180	LOAD Y	703 801	21.78-	63	10.89-	57	GLOB UNIF	WV 0 2		
2181	LOAD Z	703 801	21.78-	02	10.89-	02	GLOB UNIF	WV 0 2		
2182	LOAD X	703 801	32.66-	05	10.89-	05	GLOB UNIF	WV 0 2		
2183	LOAD Y	703 801	32.66-	57	10.89-	51	GLOB UNIF	WV 0 2		
2184	LOAD Z	703 801	32.66-	02	10.89-	1	GLOB UNIF	WV 0 2		
2185	LOAD X	703 801	43.55-	05	10.89-	04	GLOB UNIF	WV 0 2		
2186	LOAD Y	703 801	43.55-	51	10.89-	48	GLOB UNIF	WV 0 2		
2187	LOAD Z	703 801	43.55-	1	10.89-	1	GLOB UNIF	WV 0 2		
2188	LOAD X	706 803	0.00	21	10.89	20	GLOB UNIF	WV 0 2		
2189	LOAD Y	706 803	0.00-	33	10.89-	32	GLOB UNIF	WV 0 2		
2190	LOAD Z	706 803	0.00	20	10.89	20	GLOB UNIF	WV 0 2		
2191	LOAD X	706 803	10.89	20	10.89	19	GLOB UNIF	WV 0 2		
2192	LOAD Y	706 803	10.89-	32	10.89-	31	GLOB UNIF	WV 0 2		

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2193	LOAD	Z	706	803	10.89	20	10.89	19	GLOB	UNIF	WV 0 2
2194	LOAD	X	706	803	21.77	19	10.89	18	GLOB	UNIF	WV 0 2
2195	LOAD	Y	706	803	21.77-	31	10.89-	30	GLOB	UNIF	WV 0 2
2196	LOAD	Z	706	803	21.77	19	10.89	18	GLOB	UNIF	WV 0 2
2197	LOAD	X	706	803	32.66	18	10.89	16	GLOB	UNIF	WV 0 2
2198	LOAD	Y	706	803	32.66-	30	10.89-	27	GLOB	UNIF	WV 0 2
2199	LOAD	Z	706	803	32.66	18	10.89	17	GLOB	UNIF	WV 0 2
2200	LOAD	X	706	803	43.55	16	10.89	15	GLOB	UNIF	WV 0 2
2201	LOAD	Y	706	803	43.55-	27	10.89-	26	GLOB	UNIF	WV 0 2
2202	LOAD	Z	706	803	43.55	17	10.89	17	GLOB	UNIF	WV 0 2
2203	LOAD	Y	801	802	0.00-	39	4.73-	39	GLOB	UNIF	WV 0 2
2204	LOAD	Z	801	802	0.00-	02	4.73-	02	GLOB	UNIF	WV 0 2
2205	LOAD	Y	801	802	4.73-	39	4.73-	39	GLOB	UNIF	WV 0 2
2206	LOAD	Z	801	802	4.73-	02	4.73-	02	GLOB	UNIF	WV 0 2
2207	LOAD	Y	801	802	9.46-	39	4.73-	39	GLOB	UNIF	WV 0 2
2208	LOAD	Z	801	802	9.46-	02	4.73-	02	GLOB	UNIF	WV 0 2
2209	LOAD	Y	801	802	14.20-	39	4.73-	39	GLOB	UNIF	WV 0 2
2210	LOAD	Z	801	802	14.20-	02	4.73-	02	GLOB	UNIF	WV 0 2
2211	LOAD	Y	801	802	18.93-	39	4.73-	39	GLOB	UNIF	WV 0 2
2212	LOAD	Z	801	802	18.93-	02	4.73-	02	GLOB	UNIF	WV 0 2
2213	LOAD	Y	802	803	0.00-	39	4.73-	39	GLOB	UNIF	WV 0 2
2214	LOAD	Z	802	803	0.00-	02	4.73-	02	GLOB	UNIF	WV 0 2
2215	LOAD	Y	802	803	4.73-	39	4.73-	39	GLOB	UNIF	WV 0 2
2216	LOAD	Z	802	803	4.73-	02	4.73-	02	GLOB	UNIF	WV 0 2
2217	LOAD	Y	802	803	9.46-	39	4.73-	39	GLOB	UNIF	WV 0 2
2218	LOAD	Z	802	803	9.46-	02	4.73-	02	GLOB	UNIF	WV 0 2
2219	LOAD	Y	802	803	14.20-	39	4.73-	39	GLOB	UNIF	WV 0 2
2220	LOAD	Z	802	803	14.20-	02	4.73-	02	GLOB	UNIF	WV 0 2
2221	LOAD	Y	802	803	18.93-	39	4.73-	39	GLOB	UNIF	WV 0 2
2222	LOAD	Z	802	803	18.93-	02	4.73-	02	GLOB	UNIF	WV 0 2
2223	LOAD	X	803	805	0.00	17	4.73	17	GLOB	UNIF	WV 0 2
2224	LOAD	Y	803	805	0.00-	10	4.73-	10	GLOB	UNIF	WV 0 2
2225	LOAD	Z	803	805	0.00-	02	4.73-	02	GLOB	UNIF	WV 0 2
2226	LOAD	X	803	805	4.73	17	4.73	17	GLOB	UNIF	WV 0 2
2227	LOAD	Y	803	805	4.73-	10	4.73-	10	GLOB	UNIF	WV 0 2
2228	LOAD	Z	803	805	4.73-	02	4.73-	02	GLOB	UNIF	WV 0 2
2229	LOAD	X	803	805	9.46	17	4.73	17	GLOB	UNIF	WV 0 2
2230	LOAD	Y	803	805	9.46-	10	4.73-	10	GLOB	UNIF	WV 0 2
2231	LOAD	Z	803	805	9.46-	02	4.73-	03	GLOB	UNIF	WV 0 2
2232	LOAD	X	803	805	14.20	17	4.73	16	GLOB	UNIF	WV 0 2
2233	LOAD	Y	803	805	14.20-	10	4.73-	09	GLOB	UNIF	WV 0 2
2234	LOAD	Z	803	805	14.20-	03	4.73-	03	GLOB	UNIF	WV 0 2
2235	LOAD	X	803	805	18.93	16	4.73	16	GLOB	UNIF	WV 0 2
2236	LOAD	Y	803	805	18.93-	09	4.73-	09	GLOB	UNIF	WV 0 2
2237	LOAD	Z	803	805	18.93-	03	4.73-	03	GLOB	UNIF	WV 0 2
2238	LOAD	X	805	806	0.00	16	4.73	16	GLOB	UNIF	WV 0 2
2239	LOAD	Y	805	806	0.00-	09	4.73-	09	GLOB	UNIF	WV 0 2
2240	LOAD	Z	805	806	0.00-	03	4.73-	03	GLOB	UNIF	WV 0 2
2241	LOAD	X	805	806	4.73	16	4.73	15	GLOB	UNIF	WV 0 2
2242	LOAD	Y	805	806	4.73-	09	4.73-	09	GLOB	UNIF	WV 0 2

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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
2243	LOAD	Z	N05 N06	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 2
2244	LOAD	X	N05 N06	9.47	15	4.73	15	GLOB	UNIF	WV	0 2
2245	LOAD	Y	N05 N06	9.47-	09	4.73-	09	GLOB	UNIF	WV	0 2
2246	LOAD	Z	N05 N06	9.47-	03	4.73-	03	GLOB	UNIF	WV	0 2
2247	LOAD	X	N05 N06	14.20	15	4.73	15	GLOB	UNIF	WV	0 2
2248	LOAD	Y	N05 N06	14.20-	09	4.73-	08	GLOB	UNIF	WV	0 2
2249	LOAD	Z	N05 N06	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 2
2250	LOAD	X	N05 N06	16.93	15	4.73	14	GLOB	UNIF	WV	0 2
2251	LOAD	Y	N05 N06	16.93-	06	4.73-	06	GLOB	UNIF	WV	0 2
2252	LOAD	Z	N05 N06	16.93-	03	4.73-	03	GLOB	UNIF	WV	0 2
2253	LOAD	X	N01 N04	0.00-	17	4.73-	17	GLOB	UNIF	WV	0 2
2254	LOAD	Y	N01 N04	0.00-	10	4.73-	10	GLOB	UNIF	WV	0 2
2255	LOAD	Z	N01 N04	0.00-	02	4.73-	02	GLOB	UNIF	WV	0 2
2256	LOAD	X	N01 N04	4.73-	17	4.73-	17	GLOB	UNIF	WV	0 2
2257	LOAD	Y	N01 N04	4.73-	10	4.73-	10	GLOB	UNIF	WV	0 2
2258	LOAD	Z	N01 N04	4.73-	02	4.73-	02	GLOB	UNIF	WV	0 2
2259	LOAD	X	N01 N04	9.46-	17	4.73-	17	GLOB	UNIF	WV	0 2
2260	LOAD	Y	N01 N04	9.46-	10	4.73-	10	GLOB	UNIF	WV	0 2
2261	LOAD	Z	N01 N04	9.46-	02	4.73-	03	GLOB	UNIF	WV	0 2
2262	LOAD	X	N01 N04	14.20-	17	4.73-	16	GLOB	UNIF	WV	0 2
2263	LOAD	Y	N01 N04	14.20-	10	4.73-	09	GLOB	UNIF	WV	0 2
2264	LOAD	Z	N01 N04	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 2
2265	LOAD	X	N01 N04	16.93-	16	4.73-	16	GLOB	UNIF	WV	0 2
2266	LOAD	Y	N01 N04	16.93-	09	4.73-	09	GLOB	UNIF	WV	0 2
2267	LOAD	Z	N01 N04	16.93-	03	4.73-	03	GLOB	UNIF	WV	0 2
2268	LOAD	X	N04 N06	0.00-	16	4.73-	16	GLOB	UNIF	WV	0 2
2269	LOAD	Y	N04 N06	0.00-	09	4.73-	09	GLOB	UNIF	WV	0 2
2270	LOAD	Z	N04 N06	0.00-	03	4.73-	03	GLOB	UNIF	WV	0 2
2271	LOAD	X	N04 N06	4.73-	16	4.73-	15	GLOB	UNIF	WV	0 2
2272	LOAD	Y	N04 N06	4.73-	09	4.73-	09	GLOB	UNIF	WV	0 2
2273	LOAD	Z	N04 N06	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 2
2274	LOAD	X	N04 N06	9.47-	15	4.73-	15	GLOB	UNIF	WV	0 2
2275	LOAD	Y	N04 N06	9.47-	09	4.73-	09	GLOB	UNIF	WV	0 2
2276	LOAD	Z	N04 N06	9.47-	03	4.73-	03	GLOB	UNIF	WV	0 2
2277	LOAD	X	N04 N06	14.20-	15	4.73-	15	GLOB	UNIF	WV	0 2
2278	LOAD	Y	N04 N06	14.20-	09	4.73-	08	GLOB	UNIF	WV	0 2
2279	LOAD	Z	N04 N06	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 2
2280	LOAD	X	N04 N06	16.93-	15	4.73-	14	GLOB	UNIF	WV	0 2
2281	LOAD	Y	N04 N06	16.93-	08	4.73-	08	GLOB	UNIF	WV	0 2
2282	LOAD	Z	N04 N06	16.93-	03	4.73-	03	GLOB	UNIF	WV	0 2
2283	LOAD	X	N02 N04	0.00	12	4.73	12	GLOB	UNIF	WV	0 2
2284	LOAD	Y	N02 N04	0.00-	07	4.73-	07	GLOB	UNIF	WV	0 2
2285	LOAD	Z	N02 N04	0.00-	1	4.73-	1	GLOB	UNIF	WV	0 2
2286	LOAD	X	N02 N04	4.73	12	4.73	12	GLOB	UNIF	WV	0 2
2287	LOAD	Y	N02 N04	4.73-	07	4.73-	07	GLOB	UNIF	WV	0 2
2288	LOAD	Z	N02 N04	4.73-	1	4.73-	1	GLOB	UNIF	WV	0 2
2289	LOAD	X	N02 N04	9.46	12	4.73	12	GLOB	UNIF	WV	0 2
2290	LOAD	Y	N02 N04	9.46-	07	4.73-	07	GLOB	UNIF	WV	0 2
2291	LOAD	Z	N02 N04	9.46-	1	4.73-	1	GLOB	UNIF	WV	0 2
2292	LOAD	X	N02 N04	14.20	12	4.73	12	GLOB	UNIF	WV	0 2

LINE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13
2293	LOAD	Y	802	804	14.20-	07	4.73-	07	GLOB	UNIF	WV	0	2
2294	LOAD	Z	802	804	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	2
2295	LOAD	X	802	804	16.93	12	4.73	12	GLOB	UNIF	WV	0	2
2296	LOAD	Y	802	804	16.93-	07	4.73-	07	GLOB	UNIF	WV	0	2
2297	LOAD	Z	802	804	16.93-	1	4.73-	1	GLOB	UNIF	WV	0	2
2298	LOAD	X	802	805	0.00-	12	4.73-	12	GLOB	UNIF	WV	0	2
2299	LOAD	Y	802	805	0.00-	07	4.73-	07	GLOB	UNIF	WV	0	2
2300	LOAD	Z	802	805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0	2
2301	LOAD	X	802	805	4.73-	12	4.73-	12	GLOB	UNIF	WV	0	2
2302	LOAD	Y	802	805	4.73-	07	4.73-	07	GLOB	UNIF	WV	0	2
2303	LOAD	Z	802	805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0	2
2304	LOAD	X	802	805	9.46-	12	4.73-	12	GLOB	UNIF	WV	0	2
2305	LOAD	Y	802	805	9.46-	07	4.73-	07	GLOB	UNIF	WV	0	2
2306	LOAD	Z	802	805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0	2
2307	LOAD	X	802	805	14.20-	12	4.73-	12	GLOB	UNIF	WV	0	2
2308	LOAD	Y	802	805	14.20-	07	4.73-	07	GLOB	UNIF	WV	0	2
2309	LOAD	Z	802	805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	2
2310	LOAD	X	802	805	16.93-	12	4.73-	12	GLOB	UNIF	WV	0	2
2311	LOAD	Y	802	805	16.93-	07	4.73-	07	GLOB	UNIF	WV	0	2
2312	LOAD	Z	802	805	16.93-	1	4.73-	1	GLOB	UNIF	WV	0	2
2313	LOAD	Y	804	805	0.00-	27	4.73-	27	GLOB	UNIF	WV	0	2
2314	LOAD	Z	804	805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0	2
2315	LOAD	Y	804	805	4.73-	27	4.73-	27	GLOB	UNIF	WV	0	2
2316	LOAD	Z	804	805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0	2
2317	LOAD	Y	804	805	9.46-	27	4.73-	27	GLOB	UNIF	WV	0	2
2318	LOAD	Z	804	805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0	2
2319	LOAD	Y	804	805	14.20-	27	4.73-	27	GLOB	UNIF	WV	0	2
2320	LOAD	Z	804	805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	2
2321	LOAD	Y	804	805	16.93-	27	4.73-	27	GLOB	UNIF	WV	0	2
2322	LOAD	Z	804	805	16.93-	1	4.73-	1	GLOB	UNIF	WV	0	2
2323	LOAD	X	8011002		0.00	03	4.15	02	GLOB	UNIF	WV	0	2
2324	LOAD	Y	8011002		0.00-	38	4.15-	37	GLOB	UNIF	WV	0	2
2325	LOAD	Z	8011002		0.00	1	4.15	1	GLOB	UNIF	WV	0	2
2326	LOAD	X	8011002		4.15	02	4.15	02	GLOB	UNIF	WV	0	2
2327	LOAD	Y	8011002		4.15-	37	4.15-	36	GLOB	UNIF	WV	0	2
2328	LOAD	Z	8011002		4.15	1	4.15	1	GLOB	UNIF	WV	0	2
2329	LOAD	X	8011002		8.30	02	4.15	02	GLOB	UNIF	WV	0	2
2330	LOAD	Y	8011002		8.30-	36	4.15-	34	GLOB	UNIF	WV	0	2
2331	LOAD	Z	8011002		8.30	1	4.15	1	GLOB	UNIF	WV	0	2
2332	LOAD	X	8011002		12.45	02	4.15	02	GLOB	UNIF	WV	0	2
2333	LOAD	Y	8011002		12.45-	34	4.15-	33	GLOB	UNIF	WV	0	2
2334	LOAD	Z	8011002		12.45	1	4.15	1	GLOB	UNIF	WV	0	2
2335	LOAD	X	8011002		16.61	02	4.15	02	GLOB	UNIF	WV	0	2
2336	LOAD	Y	8011002		16.61-	33	4.15-	32	GLOB	UNIF	WV	0	2
2337	LOAD	Z	8011002		16.61	1	4.15	1	GLOB	UNIF	WV	0	2
2338	LOAD	X	8011002		20.76	02	4.15	02	GLOB	UNIF	WV	0	2
2339	LOAD	Y	8011002		20.76-	32	4.15-	31	GLOB	UNIF	WV	0	2
2340	LOAD	Z	8011002		20.76	1	4.15	1	GLOB	UNIF	WV	0	2
2341	LOAD	X	8011002		24.91	02	4.15	1	GLOB	UNIF	WV	0	2
2342	LOAD	Y	8011002		24.91-	31	4.15-	30	GLOB	UNIF	WV	0	2

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2343	LOAD	Z	8011002	24.91	1	4.15	1	GLOB UNIF	WV	0 2
2344	LOAD	X	8011002	29.06	1	3.46		GLOB UNIF	WV	0 2
2345	LOAD	Y	8011002	29.06-	30	4.15-	22	GLOB UNIF	WV	0 2
2346	LOAD	Z	8011002	29.06	1	4.15	02	GLOB UNIF	WV	0 2
2347	LOAD	Y	8011002	33.21-	22	4.15-	13	GLOB UNIF	WV	0 2
2348	LOAD	Z	8011002	33.21	02	4.15	1	GLOB UNIF	WV	0 2
2349	LOAD	Y	8011002	37.37-	13	4.15-	03	GLOB UNIF	WV	0 2
2350	LOAD	Z	8011002	37.37	1	4.15		GLOB UNIF	WV	0 2
2351	LOAD	X	8031002	0.00-	03	4.15-	02	GLOB UNIF	WV	0 2
2352	LOAD	Y	8031002	0.00-	36	4.15-	37	GLOB UNIF	WV	0 2
2353	LOAD	Z	8031002	0.00	1	4.15	1	GLOB UNIF	WV	0 2
2354	LOAD	X	8031002	4.15-	02	4.15-	02	GLOB UNIF	WV	0 2
2355	LOAD	Y	8031002	4.15-	37	4.15-	36	GLOB UNIF	WV	0 2
2356	LOAD	Z	8031002	4.15	1	4.15	1	GLOB UNIF	WV	0 2
2357	LOAD	X	8031002	8.30-	02	4.15-	02	GLOB UNIF	WV	0 2
2358	LOAD	Y	8031002	8.30-	36	4.15-	34	GLOB UNIF	WV	0 2
2359	LOAD	Z	8031002	8.30	1	4.15	1	GLOB UNIF	WV	0 2
2360	LOAD	X	8031002	12.46-	02	4.15-	02	GLOB UNIF	WV	0 2
2361	LOAD	Y	8031002	12.46-	34	4.15-	33	GLOB UNIF	WV	0 2
2362	LOAD	Z	8031002	12.46	1	4.15	1	GLOB UNIF	WV	0 2
2363	LOAD	X	8031002	16.61-	02	4.15-	02	GLOB UNIF	WV	0 2
2364	LOAD	Y	8031002	16.61-	33	4.15-	32	GLOB UNIF	WV	0 2
2365	LOAD	Z	8031002	16.61	1	4.15	1	GLOB UNIF	WV	0 2
2366	LOAD	X	8031002	20.76-	02	4.15-	02	GLOB UNIF	WV	0 2
2367	LOAD	Y	8031002	20.76-	32	4.15-	31	GLOB UNIF	WV	0 2
2368	LOAD	Z	8031002	20.76	1	4.15	1	GLOB UNIF	WV	0 2
2369	LOAD	X	8031002	24.91-	02	4.15-	1	GLOB UNIF	WV	0 2
2370	LOAD	Y	8031002	24.91-	31	4.15-	30	GLOB UNIF	WV	0 2
2371	LOAD	Z	8031002	24.91	1	4.15	1	GLOB UNIF	WV	0 2
2372	LOAD	X	8031002	29.06-	1	3.46		GLOB UNIF	WV	0 2
2373	LOAD	Y	8031002	29.06-	30	4.15-	22	GLOB UNIF	WV	0 2
2374	LOAD	Z	8031002	29.06	1	4.15	02	GLOB UNIF	WV	0 2
2375	LOAD	Y	8031002	33.21-	22	4.15-	13	GLOB UNIF	WV	0 2
2376	LOAD	Z	8031002	33.21	02	4.15	1	GLOB UNIF	WV	0 2
2377	LOAD	Y	8031002	37.37-	13	4.15-	03	GLOB UNIF	WV	0 2
2378	LOAD	Z	8031002	37.37	1	4.15		GLOB UNIF	WV	0 2
2379	LOAD	X	8031005	0.00	04	4.15	04	GLOB UNIF	WV	0 2
2380	LOAD	Y	8031005	0.00-	29	4.15-	28	GLOB UNIF	WV	0 2
2381	LOAD	Z	8031005	0.00-	17	4.15-	17	GLOB UNIF	WV	0 2
2382	LOAD	X	8031005	4.15	04	4.15	04	GLOB UNIF	WV	0 2
2383	LOAD	Y	8031005	4.15-	28	4.15-	27	GLOB UNIF	WV	0 2
2384	LOAD	Z	8031005	4.15-	17	4.15-	16	GLOB UNIF	WV	0 2
2385	LOAD	X	8031005	8.30	04	4.15	04	GLOB UNIF	WV	0 2
2386	LOAD	Y	8031005	8.30-	27	4.15-	26	GLOB UNIF	WV	0 2
2387	LOAD	Z	8031005	8.30-	16	4.15-	15	GLOB UNIF	WV	0 2
2388	LOAD	X	8031005	12.46	04	4.15	04	GLOB UNIF	WV	0 2
2389	LOAD	Y	8031005	12.46-	26	4.15-	25	GLOB UNIF	WV	0 2
2390	LOAD	Z	8031005	12.46-	15	4.15-	15	GLOB UNIF	WV	0 2
2391	LOAD	X	8031005	16.61	04	4.15	04	GLOB UNIF	WV	0 2
2392	LOAD	Y	8031005	16.61-	25	4.15-	24	GLOB UNIF	WV	0 2

LINE NO.	1...5....1	0....1	5....2	0....2	5....3	0....3	5....4	0....4	5....5...5...6	0....6	5....7	0....7	5....8	0
2393	LOAD	Z	8031005	16.61-	15	4.15-	14		GLOB	UNIF	WV	0	2
2394	LOAD	X	8031005	20.76	04	4.15	03		GLOB	UNIF	WV	0	2
2395	LOAD	Y	8031005	20.76-	24	4.15-	23		GLOB	UNIF	WV	0	2
2396	LOAD	Z	8031005	20.76-	14	4.15-	14		GLOB	UNIF	WV	0	2
2397	LOAD	X	8031005	24.91	03	4.15	03		GLOB	UNIF	WV	0	2
2398	LOAD	Y	8031005	24.91-	23	4.15-	22		GLOB	UNIF	WV	0	2
2399	LOAD	Z	8031005	24.91-	14	4.15-	13		GLOB	UNIF	WV	0	2
2400	LOAD	X	8031005	29.06	03	4.15	02		GLOB	UNIF	WV	0	2
2401	LOAD	Y	8031005	29.06-	22	4.15-	16		GLOB	UNIF	WV	0	2
2402	LOAD	Z	8031005	29.06-	13	4.15-	10		GLOB	UNIF	WV	0	2
2403	LOAD	X	8031005	33.22	02	4.15	1		GLOB	UNIF	WV	0	2
2404	LOAD	Y	8031005	33.22-	16	4.15-	09		GLOB	UNIF	WV	0	2
2405	LOAD	Z	8031005	33.22-	10	4.15-	06		GLOB	UNIF	WV	0	2
2406	LOAD	X	8031005	37.37	1	4.15			GLOB	UNIF	WV	0	2
2407	LOAD	Y	8031005	37.37-	09	4.15-	1		GLOB	UNIF	WV	0	2
2408	LOAD	Z	8031005	37.37-	06	4.15-	1		GLOB	UNIF	WV	0	2
2409	LOAD	X	8061005	0.00	06	4.15	06		GLOB	UNIF	WV	0	2
2410	LOAD	Y	8061005	0.00-	25	4.15-	24		GLOB	UNIF	WV	0	2
2411	LOAD	Z	8061005	0.00	11	4.15	11		GLOB	UNIF	WV	0	2
2412	LOAD	X	8061005	4.15	06	4.15	05		GLOB	UNIF	WV	0	2
2413	LOAD	Y	8061005	4.15-	24	4.15-	24		GLOB	UNIF	WV	0	2
2414	LOAD	Z	8061005	4.15	11	4.15	11		GLOB	UNIF	WV	0	2
2415	LOAD	X	8061005	8.30	05	4.15	05		GLOB	UNIF	WV	0	2
2416	LOAD	Y	8061005	8.30-	24	4.15-	23		GLOB	UNIF	WV	0	2
2417	LOAD	Z	8061005	8.30	11	4.15	11		GLOB	UNIF	WV	0	2
2418	LOAD	X	8061005	12.46	05	4.15	05		GLOB	UNIF	WV	0	2
2419	LOAD	Y	8061005	12.46-	23	4.15-	23		GLOB	UNIF	WV	0	2
2420	LOAD	Z	8061005	12.46	11	4.15	11		GLOB	UNIF	WV	0	2
2421	LOAD	X	8061005	16.61	05	4.15	05		GLOB	UNIF	WV	0	2
2422	LOAD	Y	8061005	16.61-	23	4.15-	23		GLOB	UNIF	WV	0	2
2423	LOAD	Z	8061005	16.61	11	4.15	11		GLOB	UNIF	WV	0	2
2424	LOAD	X	8061005	20.76	05	4.15	05		GLOB	UNIF	WV	0	2
2425	LOAD	Y	8061005	20.76-	23	4.15-	23		GLOB	UNIF	WV	0	2
2426	LOAD	Z	8061005	20.76	11	4.15	11		GLOB	UNIF	WV	0	2
2427	LOAD	X	8061005	24.91	05	4.15	05		GLOB	UNIF	WV	0	2
2428	LOAD	Y	8061005	24.91-	23	4.15-	22		GLOB	UNIF	WV	0	2
2429	LOAD	Z	8061005	24.91	11	4.15	10		GLOB	UNIF	WV	0	2
2430	LOAD	[illegible]	8061005	29.07	05	4.15	05		GLOB	UNIF	WV	0	2
2431	LOAD	[illegible]	8061005	29.07-	22	4.15-	13		GLOB	UNIF	WV	0	2
2432	LOAD	[illegible]	8061005	29.07	10	4.15	05		GLOB	UNIF	WV	0	2
2433	LOAD	X	8061005	33.22	05	4.15	03		GLOB	UNIF	WV	0	2
2434	LOAD	Y	8061005	33.22-	13	4.15-	07		GLOB	UNIF	WV	0	2
2435	LOAD	Z	8061005	33.22	05	4.15	03		GLOB	UNIF	WV	0	2
2436	LOAD	X	8061005	37.37	03	4.15			GLOB	UNIF	WV	0	2
2437	LOAD	Y	8061005	37.37-	07	4.15-	1		GLOB	UNIF	WV	0	2
2438	LOAD	Z	8061005	37.37	03	4.15	1		GLOB	UNIF	WV	0	2
2439	LOAD	X	8011004	0.00-	04	4.15-	04		GLOB	UNIF	WV	0	2
2440	LOAD	Y	8011004	0.00-	29	4.15-	28		GLOB	UNIF	WV	0	2
2441	LOAD	Z	8011004	0.00-	17	4.15-	17		GLOB	UNIF	WV	0	2
2442	LOAD	X	8011004	4.15-	04	4.15-	04		GLOB	UNIF	WV	0	2

PAL

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2443   LOAD Y  8011004    4.15-   28   4.15-   27                  GLUB UNIF     WV 0 2
  2444   LOAD Z  8011004    4.15-   17   4.15-   16                  GLUB UNIF     WV 0 2
  2445   LOAD X  8011004    8.30-   04   4.15-   04                  GLUB UNIF     WV 0 2
  2446   LOAD Y  8011004    8.30-   27   4.15-   26                  GLUB UNIF     WV 0 2
  2447   LOAD Z  8011004    8.30-   16   4.15-   15                  GLUB UNIF     WV 0 2
  2448   LOAD X  8011004   12.46-   04   4.15-   04                  GLUB UNIF     WV 0 2
  2449   LOAD Y  8011004   12.46-   26   4.15-   25                  GLUB UNIF     WV 0 2
  2450   LOAD Z  8011004   12.46-   15   4.15-   15                  GLUB UNIF     WV 0 2
  2451   LOAD X  8011004   16.61-   04   4.15-   04                  GLUB UNIF     WV 0 2
  2452   LOAD Y  8011004   16.61-   25   4.15-   24                  GLUB UNIF     WV 0 2
  2453   LOAD Z  8011004   16.61-   15   4.15-   14                  GLUB UNIF     WV 0 2
  2454   LOAD X  8011004   20.76-   04   4.15-   03                  GLUB UNIF     WV 0 2
  2455   LOAD Y  8011004   20.76-   24   4.15-   23                  GLUB UNIF     WV 0 2
  2456   LOAD Z  8011004   20.76-   14   4.15-   14                  GLUB UNIF     WV 0 2
  2457   LOAD X  8011004   24.91-   03   4.15-   03                  GLUB UNIF     WV 0 2
  2458   LOAD Y  8011004   24.91-   23   4.15-   22                  GLUB UNIF     WV 0 2
  2459   LOAD Z  8011004   24.91-   14   4.15-   13                  GLUB UNIF     WV 0 2
  2460   LOAD X  8011004   29.06-   03   4.15-   02                  GLUB UNIF     WV 0 2
  2461   LOAD Y  8011004   29.06-   22   4.15-   16                  GLUB UNIF     WV 0 2
  2462   LOAD Z  8011004   29.06-   13   4.15-   10                  GLUB UNIF     WV 0 2
  2463   LOAD X  8011004   33.22-   02   4.15-   1                   GLUB UNIF     WV 0 2
  2464   LOAD Y  8011004   33.22-   16   4.15-   09                  GLUB UNIF     WV 0 2
  2465   LOAD Z  8011004   33.22-   10   4.15-   06                  GLUB UNIF     WV 0 2
  2466   LOAD X  8011004   37.37-   1    4.15                        GLUB UNIF     WV 0 2
  2467   LOAD Y  8011004   37.37-   09   4.15-   1                   GLUB UNIF     WV 0 2
  2468   LOAD Z  8011004   37.37-   06   4.15-   1                   GLUB UNIF     WV 0 2
  2469   LOAD X  8061004    0.00-   06   4.15-   06                  GLUB UNIF     WV 0 2
  2470   LOAD Y  8061004    0.00-   25   4.15-   24                  GLUB UNIF     WV 0 2
  2471   LOAD Z  8061004    0.00    11   4.15    11                  GLUB UNIF     WV 0 2
  2472   LOAD X  8061004    4.15-   06   4.15-   05                  GLUB UNIF     WV 0 2
  2473   LOAD Y  8061004    4.15-   24   4.15-   24                  GLUB UNIF     WV 0 2
  2474   LOAD Z  8061004    4.15    11   4.15    11                  GLUB UNIF     WV 0 2
  2475   LOAD X  8061004    8.30-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2476   LOAD Y  8061004    8.30-   24   4.15-   23                  GLUB UNIF     WV 0 2
  2477   LOAD Z  8061004    8.30    11   4.15    11                  GLUB UNIF     WV 0 2
  2478   LOAD X  8061004   12.46-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2479   LOAD Y  8061004   12.46-   23   4.15-   23                  GLUB UNIF     WV 0 2
  2480   LOAD Z  8061004   12.46    11   4.15    11                  GLUB UNIF     WV 0 2
  2481   LOAD X  8061004   16.61-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2482   LOAD Y  8061004   16.61-   23   4.15-   23                  GLUB UNIF     WV 0 2
  2483   LOAD Z  8061004   16.61    11   4.15    11                  GLUB UNIF     WV 0 2
  2484   LOAD X  8061004   20.76-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2485   LOAD Y  8061004   20.76-   23   4.15-   23                  GLUB UNIF     WV 0 2
  2486   LOAD Z  8061004   20.76    11   4.15    11                  GLUB UNIF     WV 0 2
  2487   LOAD X  8061004   24.91-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2488   LOAD Y  8061004   24.91-   23   4.15-   22                  GLUB UNIF     WV 0 2
  2489   LOAD Z  8061004   24.91    11   4.15    10                  GLUB UNIF     WV 0 2
  2490   LOAD X  8061004   29.07-   05   4.15-   05                  GLUB UNIF     WV 0 2
  2491   LOAD Y  8061004   29.07-   22   4.15-   13                  GLUB UNIF     WV 0 2
  2492   LOAD Z  8061004   29.07    10   4.15    05                  GLUB UNIF     WV 0 2
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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
2493	LOAD	X	8061004	33.22-	05	4.15-	03	GLOB	UNIF	WV	0 2
2494	LOAD	Y	8061004	33.22-	13	4.15-	07	GLOB	UNIF	WV	0 2
2495	LOAD	Z	8061004	33.22	05	4.15	03	GLOB	UNIF	WV	0 2
2496	LOAD	X	8061004	37.37-	03	4.15		GLOB	UNIF	WV	0 2
2497	LOAD	Y	8061004	37.37-	07	4.15-	1	GLOB	UNIF	WV	0 2
2498	LOAD	Z	8061004	37.37	03	4.15	1	GLOB	UNIF	WV	0 2
2499	LOAD	Y	10011002	0.00-	04	5.71-	04	GLOB	UNIF	WV	0 2
2500	LOAD	Y	10011002	5.71-	04	5.71-	04	GLOB	UNIF	WV	0 2
2501	LOAD	Y	10011002	11.43-	04	5.71-	04	GLOB	UNIF	WV	0 2
2502	LOAD	Y	10011002	17.14-	04	5.71-	04	GLOB	UNIF	WV	0 2
2503	LOAD	Y	10011002	22.86-	04	5.71-	04	GLOB	UNIF	WV	0 2
2504	LOAD	Y	10021003	0.00-	04	5.71-	04	GLOB	UNIF	WV	0 2
2505	LOAD	Y	10021003	5.71-	04	5.71-	04	GLOB	UNIF	WV	0 2
2506	LOAD	Y	10021003	11.43-	04	5.71-	04	GLOB	UNIF	WV	0 2
2507	LOAD	Y	10021003	17.14-	04	5.71-	04	GLOB	UNIF	WV	0 2
2508	LOAD	Y	10021003	22.86-	04	5.71-	04	GLOB	UNIF	WV	0 2
2509	LOAD	X	10031005	0.00	02	5.71	02	GLOB	UNIF	WV	0 2
2510	LOAD	Y	10031005	0.00-	1	5.71-	1	GLOB	UNIF	WV	0 2
2511	LOAD	X	10031005	5.71	02	5.71	1	GLOB	UNIF	WV	0 2
2512	LOAD	Y	10031005	5.71-	1	5.71-	1	GLOB	UNIF	WV	0 2
2513	LOAD	X	10031005	11.43	1	5.71	1	GLOB	UNIF	WV	0 2
2514	LOAD	Y	10031005	11.43-	1	5.71-	1	GLOB	UNIF	WV	0 2
2515	LOAD	X	10031005	17.14	1	5.71	1	GLOB	UNIF	WV	0 2
2516	LOAD	Y	10031005	17.14-	1	5.71		GLOB	UNIF	WV	0 2
2517	LOAD	X	10031005	22.85	1	5.71	1	GLOB	UNIF	WV	0 2
2518	LOAD	X	10051006	0.00	1	5.71		GLOB	UNIF	WV	0 2
2519	LOAD	X	10011004	0.00-	02	5.71-	02	GLOB	UNIF	WV	0 2
2520	LOAD	Y	10011004	0.00-	1	5.71-	1	GLOB	UNIF	WV	0 2
2521	LOAD	X	10011004	5.71-	02	5.71-	1	GLOB	UNIF	WV	0 2
2522	LOAD	Y	10011004	5.71-	1	5.71-	1	GLOB	UNIF	WV	0 2
2523	LOAD	X	10011004	11.43-	1	5.71-	1	GLOB	UNIF	WV	0 2
2524	LOAD	Y	10011004	11.43-	1	5.71-	1	GLOB	UNIF	WV	0 2
2525	LOAD	X	10011004	17.14-	1	5.71-	1	GLOB	UNIF	WV	0 2
2526	LOAD	Y	10011004	17.14-	1	5.71		GLOB	UNIF	WV	0 2
2527	LOAD	X	10011004	22.85-	1	5.71-	1	GLOB	UNIF	WV	0 2
2528	LOAD	X	10041006	0.00-	1	5.71		GLOB	UNIF	WV	0 2
2529	LOAD	X	10021004	0.00	1	5.71	1	GLOB	UNIF	WV	0 2
2530	LOAD	X	10021004	5.71	1	5.71	1	GLOB	UNIF	WV	0 2
2531	LOAD	X	10021004	11.43	1	5.71	1	GLOB	UNIF	WV	0 2
2532	LOAD	X	10021004	17.14	1	5.71	1	GLOB	UNIF	WV	0 2
2533	LOAD	X	10021004	22.86	1	5.71	1	GLOB	UNIF	WV	0 2
2534	LOAD	X	10021005	0.00-	1	5.71-	1	GLOB	UNIF	WV	0 2
2535	LOAD	X	10021005	5.71-	1	5.71-	1	GLOB	UNIF	WV	0 2
2536	LOAD	X	10021005	11.43-	1	5.71-	1	GLOB	UNIF	WV	0 2
2537	LOAD	X	10021005	17.14-	1	5.71-	1	GLOB	UNIF	WV	0 2
2538	LOAD	X	10021005	22.86-	1	5.71-	1	GLOB	UNIF	WV	0 2
2539	LOAD	Y	10041005	0.00-	1	5.72-	1	GLOB	UNIF	WV	0 2
2540	LOAD	Y	10041005	5.72-	1	5.72-	1	GLOB	UNIF	WV	0 2
2541	LOAD	Y	10041005	11.43-	1	5.72-	1	GLOB	UNIF	WV	0 2
2542	LOAD	Y	10041005	17.15-	1	5.72-	1	GLOB	UNIF	WV	0 2

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
2543	LOAD	Y	1001	1005	22.86-	1	5.72-	1	GLOB UNIF	WV 0 2
2544	LOAD	Y	201	301	7.23-	126	1.55-	155	GLOB UNIF	WV 0 2
2545	LOAD	Y	201	301	8.79-	155	1.55-	182	GLOB UNIF	WV 0 2
2546	LOAD	Y	201	301	10.34-	182	1.55-	198	GLOB UNIF	WV 0 2
2547	LOAD	Y	201	301	11.89-	198	1.55-	208	GLOB UNIF	WV 0 2
2548	LOAD	Y	201	301	13.45-	208	1.55-	217	GLOB UNIF	WV 0 2
2549	LOAD	Y	203	303	7.23-	126	1.55-	155	GLOB UNIF	WV 0 2
2550	LOAD	Y	203	303	8.79-	155	1.55-	182	GLOB UNIF	WV 0 2
2551	LOAD	Y	203	303	10.34-	182	1.55-	198	GLOB UNIF	WV 0 2
2552	LOAD	Y	203	303	11.89-	198	1.55-	208	GLOB UNIF	WV 0 2
2553	LOAD	Y	203	303	13.45-	208	1.55-	217	GLOB UNIF	WV 0 2
2554	LOAD	Y	206	306	12.91		.30-	56	GLOB UNIF	WV 0 2
2555	LOAD	Y	206	306	13.21-	56	.30-	60	GLOB UNIF	WV 0 2
2556	LOAD	Y	206	306	13.51-	60	.30-	63	GLOB UNIF	WV 0 2
2557	LOAD	Y	206	306	13.80-	63	.30-	66	GLOB UNIF	WV 0 2
2558	LOAD	Y	206	306	14.10-	66	.30-	70	GLOB UNIF	WV 0 2
2559	LOAD	Y	206	306	14.40-	70	.30-	73	GLOB UNIF	WV 0 2
2560	LOAD	Y	206	306	14.70-	73	.30-	76	GLOB UNIF	WV 0 2
2561	LOAD	Y	301	401	0.00-	217	5.70-	250	GLOB UNIF	WV 0 2
2562	LOAD	Y	301	401	5.70-	250	5.70-	253	GLOB UNIF	WV 0 2
2563	LOAD	Y	301	401	11.40-	253	5.70-	243	GLOB UNIF	WV 0 2
2564	LOAD	Y	301	401	17.10-	243	5.70-	190	GLOB UNIF	WV 0 2
2565	LOAD	Y	301	401	22.80-	190	5.70-	152	GLOB UNIF	WV 0 2
2566	LOAD	Y	303	403	0.00-	217	5.70-	250	GLOB UNIF	WV 0 2
2567	LOAD	Y	303	403	5.70-	250	5.70-	253	GLOB UNIF	WV 0 2
2568	LOAD	Y	303	403	11.40-	253	5.70-	243	GLOB UNIF	WV 0 2
2569	LOAD	Y	303	403	17.10-	243	5.70-	190	GLOB UNIF	WV 0 2
2570	LOAD	Y	303	403	22.80-	190	5.70-	152	GLOB UNIF	WV 0 2
2571	LOAD	Y	306	406	0.00-	76	5.70-	140	GLOB UNIF	WV 0 2
2572	LOAD	Y	306	406	5.70-	140	5.70-	170	GLOB UNIF	WV 0 2
2573	LOAD	Y	306	406	11.40-	170	5.70-	184	GLOB UNIF	WV 0 2
2574	LOAD	Y	306	406	17.10-	184	5.70-	143	GLOB UNIF	WV 0 2
2575	LOAD	Y	306	406	22.80-	143	5.70-	113	GLOB UNIF	WV 0 2
2576	LOAD	X	401	501	0.00-	16	.91-	15	GLOB UNIF	WV 0 2
2577	LOAD	Y	401	501	0.00-	245	.91-	240	GLOB UNIF	WV 0 2
2578	LOAD	Z	401	501	0.00	16	.91	16	GLOB UNIF	WV 0 2
2579	LOAD	X	401	501	.91-	15	.91-	15	GLOB UNIF	WV 0 2
2580	LOAD	Y	401	501	.91-	240	.91-	235	GLOB UNIF	WV 0 2
2581	LOAD	Z	401	501	.91	16	.91	16	GLOB UNIF	WV 0 2
2582	LOAD	X	401	501	1.83-	15	.91-	15	GLOB UNIF	WV 0 2
2583	LOAD	Y	401	501	1.83-	235	.91-	230	GLOB UNIF	WV 0 2
2584	LOAD	Z	401	501	1.83	16	.91	17	GLOB UNIF	WV 0 2
2585	LOAD	X	401	501	2.74-	15	.91-	15	GLOB UNIF	WV 0 2
2586	LOAD	Y	401	501	2.74-	230	.91-	225	GLOB UNIF	WV 0 2
2587	LOAD	Z	401	501	2.74	17	.91	17	GLOB UNIF	WV 0 2
2588	LOAD	X	401	501	3.65-	15	.91-	15	GLOB UNIF	WV 0 2
2589	LOAD	Y	401	501	3.65-	225	.91-	220	GLOB UNIF	WV 0 2
2590	LOAD	Z	401	501	3.65	17	.91	16	GLOB UNIF	WV 0 2
2591	LOAD	X	403	503	0.00	16	.91	15	GLOB UNIF	WV 0 2
2592	LOAD	Y	403	503	0.00-	245	.91-	240	GLOB UNIF	WV 0 2

LINE NO. . .5....1.0....1.5....2.0....2.5....3.0....3.5....4.0....4.5....5.0....5.5....6.0....6.5....7.0....7.5....8.0

2593	1 2	403 503	0.00	18	.91	18	GLUB UNIF	WV 0 2
2594	L 4	403 503	.91	15	.91	15	GLUB UNIF	WV 0 2
2595	1 Y	403 503	.91-	240	.91-	235	GLUB UNIF	WV 0 2
2596	2	403 503	.91	18	.91	18	GLUB UNIF	WV 0 2
2597	4	403 503	1.83	15	.91	15	GLUB UNIF	WV 0 2
2598	Y	403 503	1.83-	235	.91-	230	GLUB UNIF	WV 0 2
2599	2	403 503	1.83	18	.91	17	GLUB UNIF	WV 0 2
2600	[illegible]	403 503	2.74	15	.91	15	GLUB UNIF	WV 0 2
2601	[illegible]	403 503	2.74-	230	.91-	225	GLUB UNIF	WV 0 2
2602	[illegible]	403 503	2.74	17	.91	17	GLUB UNIF	WV 0 2
2603		403 503	3.65	15	.91	15	GLUB UNIF	WV 0 2
260[illegible]		403 503	3.65-	225	.91-	220	GLUB UNIF	WV 0 2
2605		403 503	3.65	17	.91	16	GLUB UNIF	WV 0 2
260[illegible]		406 506	0.00-	171	.91-	167	GLUB UNIF	WV 0 2
2607		406 506	0.00-	28	.91-	28	GLUB UNIF	WV 0 2
260[illegible]		406 506	.91-	167	.91-	163	GLUB UNIF	WV 0 2
260[illegible]		406 506	.91-	28	.91-	27	GLUB UNIF	WV 0 2
261[illegible]		406 506	1.82-	163	.91-	159	GLUB UNIF	WV 0 2
261[illegible]		406 506	1.82-	27	.91-	26	GLUB UNIF	WV 0 2
261[illegible]		406 506	2.74-	159	.91-	155	GLUB UNIF	WV 0 2
261[illegible]		406 506	2.74-	26	.91-	26	GLUB UNIF	WV 0 2
261[illegible]		406 506	3.65-	155	.91-	151	GLUB UNIF	WV 0 2
261[illegible]		406 506	3.65-	26	.91-	25	GLUB UNIF	WV 0 2
261[illegible]		[illegible]01 601	0.00-	14	1.22-	14	GLUB UNIF	WV 0 2
261[illegible]		501 601	0.00-	217	1.22-	211	GLUB UNIF	WV 0 2
261[illegible]		501 601	0.00	16	1.22	15	GLUB UNIF	WV 0 2
2619		501 601	1.22-	14	1.22-	14	GLUB UNIF	WV 0 2
262[illegible]		501 601	1.22-	211	1.22-	204	GLUB UNIF	WV 0 2
2621		501 601	1.22	15	1.22	15	GLUB UNIF	WV 0 2
262[illegible]		501 601	2.43-	14	1.22-	13	GLUB UNIF	WV 0 2
2623		501 601	2.43-	204	1.22-	198	GLUB UNIF	WV 0 2
2624		501 601	2.43	15	1.22	15	GLUB UNIF	WV 0 2
[illegible]		501 601	3.65-	13	1.22-	13	GLUB UNIF	WV 0 2
[illegible]		501 601	3.65-	198	1.22-	194	GLUB UNIF	WV 0 2
[illegible]		501 601	[illegible]	15	1.22	14	GLUB UNIF	WV 0 2
[illegible]		[illegible]	[illegible]	13	1.22-	13	GLUB UNIF	WV 0 2
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	189	GLUB UNIF	WV 0 2
2[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GLUB UNIF	WV 0 2
2[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	GLUB UNIF	WV 0 2
20[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] UNIF	WV 0 2
20[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20[illegible]		[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20[illegible]		[illegible]3 603	1.2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20[illegible]		[illegible]3 603	1.2[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20[illegible]		[illegible]	2.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
203[illegible]		[illegible]3 603	2.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
203[illegible]		[illegible]3 603	2.4[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
204[illegible]		[illegible]3 603	3.65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
204[illegible]		[illegible]3 603	3.65-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
204[illegible]		[illegible]3 603	3.65	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
2043	LOAD X	503 603	4.87	13	1.22	13	GLOB UNIF	WV 0 2
2044	LOAD Y	503 603	4.87-	194	1.22-	189	GLOB UNIF	WV 0 2
2045	LOAD Z	503 603	4.87	14	1.22	14	GLOB UNIF	WV 0 2
2046	LOAD Y	506 606	0.00-	149	1.22-	144	GLOB UNIF	WV 0 2
2047	LOAD Z	506 606	0.00-	25	1.22-	24	GLOB UNIF	WV 0 2
2048	LOAD Y	506 606	1.22-	144	1.22-	139	GLOB UNIF	WV 0 2
2049	LOAD Z	506 606	1.22-	24	1.22-	23	GLOB UNIF	WV 0 2
2050	LOAD Y	506 606	2.43-	139	1.22-	135	GLOB UNIF	WV 0 2
2051	LOAD Z	506 606	2.43-	23	1.22-	22	GLOB UNIF	WV 0 2
2052	LOAD Y	506 606	3.65-	135	1.22-	131	GLOB UNIF	WV 0 2
2053	LOAD Z	506 606	3.65-	22	1.22-	22	GLOB UNIF	WV 0 2
2054	LOAD Y	506 606	4.87-	131	1.22-	126	GLOB UNIF	WV 0 2
2055	LOAD Z	506 606	4.87-	22	1.22-	21	GLOB UNIF	WV 0 2
2056	LOAD X	601 651	0.00-	13	1.22-	13	GLOB UNIF	WV 0 2
2057	LOAD Y	601 651	0.00-	189	1.22-	185	GLOB UNIF	WV 0 2
2058	LOAD Z	601 651	0.00	14	1.22	13	GLOB UNIF	WV 0 2
2059	LOAD X	601 651	1.22-	13	1.22-	13	GLOB UNIF	WV 0 2
2060	LOAD Y	601 651	1.22-	185	1.22-	180	GLOB UNIF	WV 0 2
2061	LOAD Z	601 651	1.22	13	1.22	13	GLOB UNIF	WV 0 2
2062	LOAD X	601 651	2.43-	13	1.22-	12	GLOB UNIF	WV 0 2
2063	LOAD Y	601 651	2.43-	180	1.22-	175	GLOB UNIF	WV 0 2
2064	LOAD Z	601 651	2.43	13	1.22	13	GLOB UNIF	WV 0 2
2065	LOAD X	601 651	3.65-	12	1.22-	12	GLOB UNIF	WV 0 2
2066	LOAD Y	601 651	3.65-	175	1.22-	171	GLOB UNIF	WV 0 2
2067	LOAD Z	601 651	3.65	13	1.22	13	GLOB UNIF	WV 0 2
2068	LOAD X	601 651	4.87-	12	1.22-	12	GLOB UNIF	WV 0 2
2069	LOAD Y	601 651	4.87-	171	1.22-	166	GLOB UNIF	WV 0 2
2070	LOAD Z	601 651	4.87	13	1.22	12	GLOB UNIF	WV 0 2
2071	LOAD X	603 653	0.00	13	1.22	13	GLOB UNIF	WV 0 2
2072	LOAD Y	603 653	0.00-	189	1.22-	185	GLOB UNIF	WV 0 2
2073	LOAD Z	603 653	0.00	14	1.22	13	GLOB UNIF	WV 0 2
2074	LOAD X	603 653	1.22	13	1.22	13	GLOB UNIF	WV 0 2
2075	LOAD Y	603 653	1.22-	185	1.22-	180	GLOB UNIF	WV 0 2
2076	LOAD Z	603 653	1.22	13	1.22	13	GLOB UNIF	WV 0 2
2077	LOAD X	603 653	2.43	13	1.22	12	GLOB UNIF	WV 0 2
2078	LOAD Y	603 653	2.43-	180	1.22-	175	GLOB UNIF	WV 0 2
2079	LOAD Z	603 653	2.43	13	1.22	13	GLOB UNIF	WV 0 2
2080	LOAD X	603 653	3.65	12	1.22	12	GLOB UNIF	WV 0 2
2081	LOAD Y	603 653	3.65-	175	1.22-	171	GLOB UNIF	WV 0 2
2082	LOAD Z	603 653	3.65	13	1.22	13	GLOB UNIF	WV 0 2
2083	LOAD X	603 653	4.87	12	1.22	12	GLOB UNIF	WV 0 2
2084	LOAD Y	603 653	4.87-	171	1.22-	166	GLOB UNIF	WV 0 2
2085	LOAD Z	603 653	4.87	13	1.22	12	GLOB UNIF	WV 0 2
2086	LOAD Y	606 656	0.00-	128	1.22-	124	GLOB UNIF	WV 0 2
2087	LOAD Z	606 656	0.00-	21	1.22-	21	GLOB UNIF	WV 0 2
2088	LOAD Y	606 656	1.22-	124	1.22-	121	GLOB UNIF	WV 0 2
2089	LOAD Z	606 656	1.22-	21	1.22-	20	GLOB UNIF	WV 0 2
2090	LOAD Y	606 656	2.43-	121	1.22-	116	GLOB UNIF	WV 0 2
2091	LOAD Z	606 656	2.43-	20	1.22-	20	GLOB UNIF	WV 0 2
2092	LOAD Y	606 656	3.65-	116	1.22-	114	GLOB UNIF	WV 0 2

```
                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

2693	LOAD	Z	606	636	3.65-	20	1.22-	19	GLOB	UNIF	WV	0	2
2694	LOAD	Y	606	636	4.87-	114	1.22-	111	GLOB	UNIF	WV	0	2
2695	LOAD	Z	606	636	4.87-	19	1.22-	16	GLOB	UNIF	WV	0	2
2696	LOAD	X	651	651	0.00-	23	1.22-	22	GLOB	UNIF	WV	0	2
2697	LOAD	Y	651	651	0.00-	248	1.22-	241	GLOB	UNIF	WV	0	2
2698	LOAD	Z	651	651	0.00	17	1.22	17	GLOB	UNIF	WV	0	2
2699	LOAD	X	651	651	1.22-	22	1.22-	22	GLOB	UNIF	WV	0	2
2700	LOAD	Y	651	651	1.22-	241	1.22-	237	GLOB	UNIF	WV	0	2
2701	LOAD	Z	651	651	1.22	17	1.22	17	GLOB	UNIF	WV	0	2
2702	LOAD	X	651	651	2.43-	22	1.22-	22	GLOB	UNIF	WV	0	2
2703	LOAD	Y	651	651	2.43-	237	1.22-	232	GLOB	UNIF	WV	0	2
2704	LOAD	Z	651	651	2.43	17	1.22	16	GLOB	UNIF	WV	0	2
2705	LOAD	X	651	651	3.65-	22	1.22-	21	GLOB	UNIF	WV	0	2
2706	LOAD	Y	651	651	3.65-	232	1.22-	227	GLOB	UNIF	WV	0	2
2707	LOAD	Z	651	651	3.65	16	1.22	16	GLOB	UNIF	WV	0	2
2708	LOAD	X	651	651	4.87-	21	1.22-	21	GLOB	UNIF	WV	0	2
2709	LOAD	Y	651	651	4.87-	227	1.22-	223	GLOB	UNIF	WV	0	2
2710	LOAD	Z	651	651	4.87	16	1.22	16	GLOB	UNIF	WV	0	2
2711	LOAD	X	653	653	0.00	23	1.22	22	GLOB	UNIF	WV	0	2
2712	LOAD	Y	653	653	0.00-	248	1.22-	241	GLOB	UNIF	WV	0	2
2713	LOAD	Z	653	653	0.00	17	1.22	17	GLOB	UNIF	WV	0	2
2714	LOAD	X	653	653	1.22	22	1.22	22	GLOB	UNIF	WV	0	2
2715	LOAD	Y	653	653	1.22-	241	1.22-	237	GLOB	UNIF	WV	0	2
2716	LOAD	Z	653	653	1.22	17	1.22	17	GLOB	UNIF	WV	0	2
2717	LOAD	X	653	653	2.43	22	1.22	22	GLOB	UNIF	WV	0	2
2718	LOAD	Y	653	653	2.43-	237	1.22-	232	GLOB	UNIF	WV	0	2
2719	LOAD	Z	653	653	2.43	17	1.22	16	GLOB	UNIF	WV	0	2
2720	LOAD	X	653	653	3.65	22	1.22	21	GLOB	UNIF	WV	0	2
2721	LOAD	Y	653	653	3.65-	232	1.22-	227	GLOB	UNIF	WV	0	2
2722	LOAD	Z	653	653	3.65	16	1.22	16	GLOB	UNIF	WV	0	2
2723	LOAD	X	653	653	4.87	21	1.22	21	GLOB	UNIF	WV	0	2
2724	LOAD	Y	653	653	4.87-	227	1.22-	223	GLOB	UNIF	WV	0	2
2725	LOAD	Z	653	653	4.87	16	1.22	16	GLOB	UNIF	WV	0	2
2726	LOAD	Y	656	656	0.00-	141	1.22-	137	GLOB	UNIF	WV	0	2
2727	LOAD	Z	656	656	0.00-	24	1.22-	23	GLOB	UNIF	WV	0	2
2728	LOAD	Y	656	656	1.22-	137	1.22-	134	GLOB	UNIF	WV	0	2
2729	LOAD	Z	656	656	1.22-	23	1.22-	22	GLOB	UNIF	WV	0	2
2730	LOAD	Y	656	656	2.43-	134	1.22-	130	GLOB	UNIF	WV	0	2
2731	LOAD	Z	656	656	2.43-	22	1.22-	22	GLOB	UNIF	WV	0	2
2732	LOAD	Y	656	656	3.65-	130	1.22-	127	GLOB	UNIF	WV	0	2
2733	LOAD	Z	656	656	3.65-	22	1.22-	21	GLOB	UNIF	WV	0	2
2734	LOAD	Y	656	656	4.87-	127	1.22-	124	GLOB	UNIF	WV	0	2
2735	LOAD	Z	656	656	4.87-	21	1.22-	21	GLOB	UNIF	WV	0	2
2736	LOAD	X	651	701	0.00-	21	1.42-	20	GLOB	UNIF	WV	0	2
2737	LOAD	Y	651	701	0.00-	223	1.42-	217	GLOB	UNIF	WV	0	2
2738	LOAD	Z	651	701	0.00	15	1.42	15	GLOB	UNIF	WV	0	2
2739	LOAD	X	651	701	1.42-	20	1.42-	20	GLOB	UNIF	WV	0	2
2740	LOAD	Y	651	701	1.42-	217	1.42-	212	GLOB	UNIF	WV	0	2
2741	LOAD	Z	651	701	1.42	15	1.42	15	GLOB	UNIF	WV	0	2
2742	LOAD	X	651	701	2.84-	20	1.42-	19	GLOB	UNIF	WV	0	2

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2743  LOAD Y  651 701   2.04-   212   1.42-   206              GLOB UNIF    MV 0 2
  2744  LOAD Z  651 701   2.04     15   1.42     14              GLOB UNIF    MV 0 2
  2745  LOAD X  651 701   4.26-    19   1.42-    19              GLOB UNIF    MV 0 2
  2746  LOAD Y  651 701   4.26-   206   1.42-   201              GLOB UNIF    MV 0 2
  2747  LOAD Z  651 701   4.26     14   1.42     14              GLOB UNIF    MV 0 2
  2748  LOAD X  651 701   5.68-    19   1.42-    18              GLOB UNIF    MV 0 2
  2749  LOAD Y  651 701   5.68-   201   1.42-   197              GLOB UNIF    MV 0 2
  2750  LOAD Z  651 701   5.68     14   1.42     14              GLOB UNIF    MV 0 2
  2751  LOAD X  653 703   0.00     21   1.42     20              GLOB UNIF    MV 0 2
  2752  LOAD Y  653 703   0.00-   223   1.42-   217              GLOB UNIF    MV 0 2
  2753  LOAD Z  653 703   0.00     15   1.42     15              GLOB UNIF    MV 0 2
  2754  LOAD X  653 703   1.42     20   1.42     20              GLOB UNIF    MV 0 2
  2755  LOAD Y  653 703   1.42-   217   1.42-   212              GLOB UNIF    MV 0 2
  2756  LOAD Z  653 703   1.42     15   1.42     15              GLOB UNIF    MV 0 2
  2757  LOAD X  653 703   2.84     20   1.42     19              GLOB UNIF    MV 0 2
  2758  LOAD Y  653 703   2.84-   212   1.42-   206              GLOB UNIF    MV 0 2
  2759  LOAD Z  653 703   2.84     15   1.42     14              GLOB UNIF    MV 0 2
  2760  LOAD X  653 703   4.26     19   1.42     19              GLOB UNIF    MV 0 2
  2761  LOAD Y  653 703   4.26-   206   1.42-   201              GLOB UNIF    MV 0 2
  2762  LOAD Z  653 703   4.26     14   1.42     14              GLOB UNIF    MV 0 2
  2763  LOAD X  653 703   5.68     19   1.42     18              GLOB UNIF    MV 0 2
  2764  LOAD Y  653 703   5.68-   201   1.42-   197              GLOB UNIF    MV 0 2
  2765  LOAD Z  653 703   5.68     14   1.42     14              GLOB UNIF    MV 0 2
  2766  LOAD Y  656 706   0.00-   124   1.42-   120              GLOB UNIF    MV 0 2
  2767  LOAD Z  656 706   0.00-    21   1.42-    20              GLOB UNIF    MV 0 2
  2768  LOAD Y  656 706   1.42-   120   1.42-   116              GLOB UNIF    MV 0 2
  2769  LOAD Z  656 706   1.42-    20   1.42-    19              GLOB UNIF    MV 0 2
  2770  LOAD Y  656 706   2.84-   116   1.42-   112              GLOB UNIF    MV 0 2
  2771  LOAD Z  656 706   2.84-    19   1.42-    19              GLOB UNIF    MV 0 2
  2772  LOAD Y  656 706   4.26-   112   1.42-   109              GLOB UNIF    MV 0 2
  2773  LOAD Z  656 706   4.26-    19   1.42-    18              GLOB UNIF    MV 0 2
  2774  LOAD Y  656 706   5.68-   109   1.42-   106              GLOB UNIF    MV 0 2
  2775  LOAD Z  656 706   5.68-    18   1.42-    18              GLOB UNIF    MV 0 2
  2776  LOAD X  701 801   0.00-    16   6.09-    14              GLOB UNIF    MV 0 2
  2777  LOAD Y  701 801   0.00-   186   6.09-   166              GLOB UNIF    MV 0 2
  2778  LOAD Z  701 801   0.00     13   6.09     12              GLOB UNIF    MV 0 2
  2779  LOAD X  701 801   6.89-    14   6.89-    13              GLOB UNIF    MV 0 2
  2780  LOAD Y  701 801   6.89-   166   6.89-   151              GLOB UNIF    MV 0 2
  2781  LOAD Z  701 801   6.89     12   6.09     11              GLOB UNIF    MV 0 2
  2782  LOAD X  701 801  13.79-    13   6.09-    11              GLOB UNIF    MV 0 2
  2783  LOAD Y  701 801  13.79-   151   6.09-   136              GLOB UNIF    MV 0 2
  2784  LOAD Z  701 801  13.79     11   6.09     10              GLOB UNIF    MV 0 2
  2785  LOAD X  701 801  20.68-    11   6.09-    09              GLOB UNIF    MV 0 2
  2786  LOAD Y  701 801  20.68-   136   6.09-   124              GLOB UNIF    MV 0 2
  2787  LOAD Z  701 801  20.68     10   6.09     09              GLOB UNIF    MV 0 2
  2788  LOAD X  701 801  27.57-    09   6.09-    08              GLOB UNIF    MV 0 2
  2789  LOAD Y  701 801  27.57-   124   6.09-   116              GLOB UNIF    MV 0 2
  2790  LOAD Z  701 801  27.57     09   6.09     09              GLOB UNIF    MV 0 2
  2791  LOAD X  703 803   0.00     16   6.09     14              GLOB UNIF    MV 0 2
  2792  LOAD Y  703 803   0.00-   186   6.09-   166              GLOB UNIF    MV 0 2
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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2793	LOAD Z	703 803	0.00	13	6.89	12	GLOB UNIF	WV	0	2
2794	LOAD X	703 803	6.89	14	6.89	13	GLOB UNIF	WV	0	2
2795	LOAD Y	703 803	6.89-	166	6.89-	151	GLOB UNIF	WV	0	2
2796	LOAD Z	703 803	6.89	12	6.89	11	GLOB UNIF	WV	0	2
2797	LOAD X	703 803	13.79	15	6.89	11	GLOB UNIF	WV	0	2
2798	LOAD Y	703 803	13.79-	151	6.89-	136	GLOB UNIF	WV	0	2
2799	LOAD Z	703 803	13.79	11	6.89	10	GLOB UNIF	WV	0	2
2800	LOAD X	703 803	20.68	11	6.89	09	GLOB UNIF	WV	0	2
2801	LOAD Y	703 803	20.68-	136	6.89-	124	GLOB UNIF	WV	0	2
2802	LOAD Z	703 803	20.68	10	6.89	09	GLOB UNIF	WV	0	2
2803	LOAD X	703 803	27.57	09	6.89	08	GLOB UNIF	WV	0	2
2804	LOAD Y	703 803	27.57-	124	6.89-	116	GLOB UNIF	WV	0	2
2805	LOAD Z	703 803	27.57	09	6.89	09	GLOB UNIF	WV	0	2
2806	LOAD Y	706 806	0.00-	105	6.89-	92	GLOB UNIF	WV	0	2
2807	LOAD Z	706 806	0.00-	18	6.89-	15	GLOB UNIF	WV	0	2
2808	LOAD Y	706 806	6.89-	92	6.89-	80	GLOB UNIF	WV	0	2
2809	LOAD Z	706 806	6.89-	15	6.89-	13	GLOB UNIF	WV	0	2
2810	LOAD Y	706 806	13.79-	80	6.89-	70	GLOB UNIF	WV	0	2
2811	LOAD Z	706 806	13.79-	13	6.89-	12	GLOB UNIF	WV	0	2
2812	LOAD Y	706 806	20.68-	70	6.89-	61	GLOB UNIF	WV	0	2
2813	LOAD Z	706 806	20.68-	12	6.89-	10	GLOB UNIF	WV	0	2
2814	LOAD Y	706 806	27.58-	61	6.89-	53	GLOB UNIF	WV	0	2
2815	LOAD Z	706 806	27.58-	10	6.89-	09	GLOB UNIF	WV	0	2
2816	LOAD X	8011001	0.00-	08	4.31-	07	GLOB UNIF	WV	0	2
2817	LOAD Y	8011001	0.00-	116	4.31-	112	GLOB UNIF	WV	0	2
2818	LOAD Z	8011001	0.00	09	4.31	08	GLOB UNIF	WV	0	2
2819	LOAD X	8011001	4.31-	07	4.31-	06	GLOB UNIF	WV	0	2
2820	LOAD Y	8011001	4.31-	112	4.31-	108	GLOB UNIF	WV	0	2
2821	LOAD Z	8011001	4.31	08	4.31	08	GLOB UNIF	WV	0	2
2822	LOAD X	8011001	8.62-	06	4.31-	05	GLOB UNIF	WV	0	2
2823	LOAD Y	8011001	8.62-	108	4.31-	104	GLOB UNIF	WV	0	2
2824	LOAD Z	8011001	8.62	08	4.31	08	GLOB UNIF	WV	0	2
2825	LOAD X	8011001	12.93-	05	4.31-	04	GLOB UNIF	WV	0	2
2826	LOAD Y	8011001	12.93-	104	4.31-	101	GLOB UNIF	WV	0	2
2827	LOAD Z	8011001	12.93	08	4.31	08	GLOB UNIF	WV	0	2
2828	LOAD X	8011001	17.23-	04	4.31-	03	GLOB UNIF	WV	0	2
2829	LOAD Y	8011001	17.23-	101	4.31-	98	GLOB UNIF	WV	0	2
2830	LOAD Z	8011001	17.23	08	4.31	08	GLOB UNIF	WV	0	2
2831	LOAD X	8011001	21.54-	03	4.31-	1	GLOB UNIF	WV	0	2
2832	LOAD Y	8011001	21.54-	98	4.31-	87	GLOB UNIF	WV	0	2
2833	LOAD Z	8011001	21.54	08	4.31	07	GLOB UNIF	WV	0	2
2834	LOAD X	8011001	25.85-	1	4.31-	1	GLOB UNIF	WV	0	2
2835	LOAD Y	8011001	25.85-	87	4.31-	57	GLOB UNIF	WV	0	2
2836	LOAD Z	8011001	25.85	07	4.31	05	GLOB UNIF	WV	0	2
2837	LOAD X	8011001	30.16-	1	4.31		GLOB UNIF	WV	0	2
2838	LOAD Y	8011001	30.16-	57	4.31-	27	GLOB UNIF	WV	0	2
2839	LOAD Z	8011001	30.16	05	4.31	02	GLOB UNIF	WV	0	2
2840	LOAD X	8031003	0.00	08	4.31	07	GLOB UNIF	WV	0	2
2841	LOAD Y	8031003	0.00-	116	4.31-	112	GLOB UNIF	WV	0	2
2842	LOAD Z	8031003	0.00	09	4.31	08	GLOB UNIF	WV	0	2

LINE NO.									
2043	LOAD X	8031003	4.31	07	4.31	06	GLOB UNIF	WV 0 2	
2044	LOAD Y	8031003	4.31-	112	4.31-	108	GLOB UNIF	WV 0 2	
2045	LOAD Z	8031003	4.31	08	4.31	08	GLOB UNIF	WV 0 2	
2046	LOAD X	8031003	6.62	06	4.31	05	GLOB UNIF	WV 0 2	
2047	LOAD Y	8031003	6.62-	108	4.31-	104	GLOB UNIF	WV 0 2	
2048	LOAD Z	8031003	6.62	08	4.31	08	GLOB UNIF	WV 0 2	
2049	LOAD X	8031003	12.93	05	4.31	04	GLOB UNIF	WV 0 2	
2050	LOAD Y	8031003	12.93-	104	4.31-	101	GLOB UNIF	WV 0 2	
2051	LOAD Z	8031003	12.93	08	4.31	08	GLOB UNIF	WV 0 2	
2052	LOAD X	8031003	17.23	04	4.31	03	GLOB UNIF	WV 0 2	
2053	LOAD Y	8031003	17.23-	101	4.31-	98	GLOB UNIF	WV 0 2	
2054	LOAD Z	8031003	17.23	08	4.31	08	GLOB UNIF	WV 0 2	
2055	LOAD X	8031003	21.54	03	4.31	1	GLOB UNIF	WV 0 2	
2056	LOAD Y	8031003	21.54-	98	4.31-	87	GLOB UNIF	WV 0 2	
2057	LOAD Z	8031003	21.54	08	4.31	07	GLOB UNIF	WV 0 2	
2058	LOAD X	8031003	25.85	1	4.31	1	GLOB UNIF	WV 0 2	
2059	LOAD Y	8031003	25.85-	87	4.31-	57	GLOB UNIF	WV 0 2	
2060	LOAD Z	8031003	25.85	07	4.31	05	GLOB UNIF	WV 0 2	
2061	LOAD X	8031003	30.16	1	4.31		GLOB UNIF	WV 0 2	
2062	LOAD Y	8031003	30.16-	57	4.31-	27	GLOB UNIF	WV 0 2	
2063	LOAD Z	8031003	30.16	05	4.31	02	GLOB UNIF	WV 0 2	
2064	LOAD Y	8061006	0.00-	53	4.92-	48	GLOB UNIF	WV 0 2	
2065	LOAD Z	8061006	0.00-	09	4.92-	06	GLOB UNIF	WV 0 2	
2066	LOAD Y	8061006	4.92-	48	4.92-	43	GLOB UNIF	WV 0 2	
2067	LOAD Z	8061006	4.92-	08	4.92-	07	GLOB UNIF	WV 0 2	
2068	LOAD Y	8061006	9.85-	43	4.92-	38	GLOB UNIF	WV 0 2	
2069	LOAD Z	8061006	9.85-	07	4.92-	06	GLOB UNIF	WV 0 2	
2070	LOAD Y	8061006	14.77-	38	4.92-	35	GLOB UNIF	WV 0 2	
2071	LOAD Z	8061006	14.77-	06	4.92-	06	GLOB UNIF	WV 0 2	
2072	LOAD Y	8061006	19.70-	35	4.92-	31	GLOB UNIF	WV 0 2	
2073	LOAD Z	8061006	19.70-	06	4.92-	05	GLOB UNIF	WV 0 2	
2074	LOAD Y	8061006	24.62-	31	4.79		GLOB UNIF	WV 0 2	
2075	LOAD Y	8061006	29.41		.14	1	GLOB UNIF	WV 0 2	
2076	LOAD Z	8061006	24.62-	05	4.83		GLOB UNIF	WV 0 2	
2077	LOAD Y	8061006	29.54	1	4.92	33	GLOB UNIF	WV 0 2	
2078	LOAD Z	8061006	29.54		4.92	05	GLOB UNIF	WV 0 2	
2079	LOADCH	3							
2080	LOAD Z	101 102	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2081	LOAD Z	102 103	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2082	LOAD Z	103 105	0.00	-.055	14.49	-.055	GLOB UNIF	DL 0 3	
2083	LOAD Z	105 106	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2084	LOAD Z	101 104	0.00	-.055	14.49	-.055	GLOB UNIF	DL 0 3	
2085	LOAD Z	104 106	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2086	LOAD Z	102 104	0.00	-.024	14.49	-.024	GLOB UNIF	DL 0 3	
2087	LOAD Z	102 105	0.00	-.024	14.49	-.024	GLOB UNIF	DL 0 3	
2088	LOAD Z	104 105	0.00	-.024	14.50	-.024	GLOB UNIF	DL 0 3	
2089	LOAD Z	201 202	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2090	LOAD Z	202 203	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	
2091	LOAD Z	203 205	0.00	-.055	14.49	-.055	GLOB UNIF	DL 0 3	
2092	LOAD Z	205 206	0.00	-.055	14.50	-.055	GLOB UNIF	DL 0 3	

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.											
2893	LOAD 2	201	204	0.00	-.055	14.49	-.055	GLOB	UNIF	DL	0 3
2894	LOAD 2	204	206	0.00	-.055	14.50	-.055	GLOB	UNIF	DL	0 3
2895	LOAD 2	202	204	0.00	-.024	14.49	-.024	GLOB	UNIF	DL	0 3
2896	LOAD 2	202	205	0.00	-.024	14.49	-.024	GLOB	UNIF	DL	0 3
2897	LOAD 2	204	205	0.00	-.024	14.50	-.024	GLOB	UNIF	DL	0 3
2898	LOAD 2	201	303	0.00	-.065	25.47	-.065	GLOB	UNIF	DL	0 3
2899	LOAD 2	201	303	25.47	-.009	7.18	-.009	GLOB	UNIF	DL	0 3
2900	LOAD 2	203	306	0.00	-.065	25.46	-.065	GLOB	UNIF	DL	0 3
2901	LOAD 2	203	306	25.45	-.009	7.18	-.009	GLOB	UNIF	DL	0 3
2902	LOAD 2	206	301	0.00	-.065	25.46	-.065	GLOB	UNIF	DL	0 3
2903	LOAD 2	206	301	25.46	-.009	7.18	-.009	GLOB	UNIF	DL	0 3
2904	LOAD 2	301	403	0.00	-.009	40.66	-.009	GLOB	UNIF	DL	0 3
2905	LOAD 2	106	201	0.00	-.065	32.65	-.065	GLOB	UNIF	DL	0 3
2906	LOAD 2	301	303	0.00	-.009	29.00	-.009	GLOB	UNIF	DL	0 3
2907	LOAD 2	303	306	0.00	-.009	29.00	-.009	GLOB	UNIF	DL	0 3
2908	LOAD 2	301	306	0.00	-.009	29.00	-.009	GLOB	UNIF	DL	0 3
2909	LOAD 2	501	502	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2910	LOAD 2	502	503	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2911	LOAD 2	503	505	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2912	LOAD 2	505	506	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2913	LOAD 2	501	504	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2914	LOAD 2	504	506	0.00	-.013	15.15	-.013	GLOB	UNIF	DL	0 3
2915	LOAD 2	501	507	0.00	-.148	2.54	-.148	GLOB	UNIF	DL	0 3
2916	LOAD 2	507	510	0.00	-.148	2.54	-.148	GLOB	UNIF	DL	0 3
2917	LOAD 2	503	508	0.00	-.148	2.54	-.148	GLOB	UNIF	DL	0 3
2918	LOAD 2	508	511	0.00	-.148	2.54	-.148	GLOB	UNIF	DL	0 3
2919	LOAD 2	506	509	0.00	-.148	2.53	-.148	GLOB	UNIF	DL	0 3
2920	LOAD 2	509	512	0.00	-.148	2.54	-.148	GLOB	UNIF	DL	0 3
2921	LOAD 2	513	651	0.00	.020	16.00	.020	GLOB	UNIF	DL	0 3
2922	LOAD 2	514	653	0.00	.020	16.00	.020	GLOB	UNIF	DL	0 3
2923	LOAD 2	601	611	0.00	-.049	6.00	-.049	GLOB	UNIF	DL	0 3
2924	LOAD 2	603	613	0.00	-.049	6.00	-.049	GLOB	UNIF	DL	0 3
2925	LOAD 2	651	661	0.00	-.049	5.00	-.049	GLOB	UNIF	DL	0 3
2926	LOAD 2	653	663	0.00	-.049	5.00	-.049	GLOB	UNIF	DL	0 3
2927	LOAD 2	611	612	0.00	-.017	16.01	-.017	GLOB	UNIF	DL	0 3
2928	LOAD 2	612	613	0.00	-.017	16.01	-.017	GLOB	UNIF	DL	0 3
2929	LOAD 2	661	662	0.00	-.017	17.74	-.017	GLOB	UNIF	DL	0 3
2930	LOAD 2	662	663	0.00	-.017	17.74	-.017	GLOB	UNIF	DL	0 3
2931	LOAD 2	611	661	0.00	-.049	12.12	-.049	GLOB	UNIF	DL	0 3
2932	LOAD 2	612	662	0.00	-.049	12.00	-.049	GLOB	UNIF	DL	0 3
2933	LOAD 2	613	663	0.00	-.049	12.12	-.049	GLOB	UNIF	DL	0 3
2934	LOAD 2	501	632	0.00	-.015	20.25	-.015	GLOB	UNIF	DL	0 3
2935	LOAD 2	503	635	0.00	-.015	20.25	-.015	GLOB	UNIF	DL	0 3
2936	LOAD 2	506	634	0.00	-.015	20.24	-.015	GLOB	UNIF	DL	0 3
2937	LOAD 2	632	703	0.00	-.015	21.93	-.015	GLOB	UNIF	DL	0 3
2938	LOAD 2	635	706	0.00	-.015	21.93	-.015	GLOB	UNIF	DL	0 3
2939	LOAD 2	634	701	0.00	-.015	21.94	-.015	GLOB	UNIF	DL	0 3
2940	LOAD 2	701	702	0.00	.007	16.76	.007	GLOB	UNIF	DL	0 3
2941	LOAD 2	702	703	0.00	.007	16.75	.007	GLOB	UNIF	DL	0 3
2942	LOAD 2	703	705	0.00	.007	16.75	.007	GLOB	UNIF	DL	0 3

```
              1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

2443  LOAD 2  705 706     0.00   .007  18.76   .007            GLOB UNIF    DL 0 3
2444  LOAD 2  701 704     0.00   .007  18.75   .007            GLOB UNIF    DL 0 3
2445  LOAD 2  704 706     0.00   .007  18.76   .007            GLOB UNIF    DL 0 3
2446  LOAD 2  701 707     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2447  LOAD 2  707 710     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2448  LOAD 2  703 708     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2449  LOAD 2  705 711     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2450  LOAD 2  706 709     0.00  -.148   2.55  -.148            GLOB UNIF    DL 0 3
2451  LOAD 2  709 712     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2452  LOAD 2  701 805     0.00   .010  54.44   .010            GLOB UNIF    DL 0 3
2453  LOAD 2  703 801     0.00   .010  54.44   .010            GLOB UNIF    DL 0 3
2454  LOAD 2  706 803     0.00   .010  54.44   .010            GLOB UNIF    DL 0 3
2455  LOAD 2  801 802     0.00   .006  23.66   .006            GLOB UNIF    DL 0 3
2456  LOAD 2  802 803     0.00   .006  23.66   .006            GLOB UNIF    DL 0 3
2457  LOAD 2  803 805     0.00   .006  23.66   .006            GLOB UNIF    DL 0 3
2458  LOAD 2  805 806     0.00   .006  23.67   .006            GLOB UNIF    DL 0 3
2459  LOAD 2  801 804     0.00   .006  23.66   .006            GLOB UNIF    DL 0 3
2460  LOAD 2  804 806     0.00   .006  23.67   .006            GLOB UNIF    DL 0 3
2461  LOAD 2  801 807     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2462  LOAD 2  807 810     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2463  LOAD 2  803 808     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2464  LOAD 2  808 811     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2465  LOAD 2  806 809     0.00  -.148   2.53  -.148            GLOB UNIF    DL 0 3
2466  LOAD 2  809 812     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2467  LOAD 2  8011002     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2468  LOAD 2  8031002     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2469  LOAD 2  8031005     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2470  LOAD 2  8061005     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2471  LOAD 2  8011004     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2472  LOAD 2  8061004     0.00   .006  41.52   .006            GLOB UNIF    DL 0 3
2473  LOAD 2 10011002     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2474  LOAD 2 10021003     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2475  LOAD 2 10031005     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2476  LOAD 2 10051006     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2477  LOAD 2 10011004     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2478  LOAD 2 10041006     0.00   .020  26.57   .020            GLOB UNIF    DL 0 3
2479  LOAD 2 10011007     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2480  LOAD 2 10071010     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2481  LOAD 2 10031008     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2482  LOAD 2 10081011     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2483  LOAD 2 10061009     0.00  -.148   2.53  -.148            GLOB UNIF    DL 0 3
2484  LOAD 2 10091012     0.00  -.148   2.54  -.148            GLOB UNIF    DL 0 3
2485  LOAD 2   101 201    0.00  -.310  15.00  -.310            GLOB UNIF    DL 0 3
2486  LOAD 2   103 203    0.00  -.310  15.00  -.310            GLOB UNIF    DL 0 3
2487  LOAD 2   106 206    0.00  -.310  15.00  -.310            GLOB UNIF    DL 0 3
2488  LOAD 2   201 301    0.00  -.310  11.70  -.310            GLOB UNIF    DL 0 3
2489  LOAD 2   201 301   11.70   .004   3.50   .004            GLOB UNIF    DL 0 3
2490  LOAD 2   203 303    0.00  -.310  11.70  -.310            GLOB UNIF    DL 0 3
2491  LOAD 2   203 303   11.70   .004   3.50   .004            GLOB UNIF    DL 0 3
2492  LOAD 2   206 306    0.00  -.310  11.70  -.310            GLOB UNIF    DL 0 3
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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2993   LOAD Z  206 306   11.70   .004    3.30   .004                GLOB UNIF    DL 0 3
  2994   LOAD Z  301 401    0.00   .004   26.50   .004                GLOB UNIF    DL 0 3
  2995   LOAD Z  303 403    0.00   .004   26.50   .004                GLOB UNIF    DL 0 3
  2996   LOAD Z  306 406    0.00   .004   26.50   .004                GLOB UNIF    DL 0 3
  2997   LOAD Z  401 501    0.00  -.752    4.56  -.752                GLOB UNIF    DL 0 3
  2998   LOAD Z  403 503    0.00  -.752    4.56  -.752                GLOB UNIF    DL 0 3
  2999   LOAD Z  406 506    0.00  -.752    4.56  -.752                GLOB UNIF    DL 0 3
  3000   LOAD Z  501 601    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3001   LOAD Z  503 603    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3002   LOAD Z  506 606    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3003   LOAD Z  601 631    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3004   LOAD Z  603 633    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3005   LOAD Z  606 636    0.00  -.641    6.08  -.641                GLOB UNIF    DL 0 3
  3006   LOAD Z  631 651    0.00   .050    6.08   .050                GLOB UNIF    DL 0 3
  3007   LOAD Z  633 653    0.00   .050    6.08   .050                GLOB UNIF    DL 0 3
  3008   LOAD Z  636 656    0.00   .050    6.08   .050                GLOB UNIF    DL 0 3
  3009   LOAD Z  651 701    0.00   .050    7.10   .050                GLOB UNIF    DL 0 3
  3010   LOAD Z  653 703    0.00   .050    7.10   .050                GLOB UNIF    DL 0 3
  3011   LOAD Z  656 706    0.00   .050    7.10   .050                GLOB UNIF    DL 0 3
  3012   LOAD Z  701 801    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3013   LOAD Z  703 803    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3014   LOAD Z  706 806    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3015   LOAD Z  8011001    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3016   LOAD Z  8031003    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3017   LOAD Z  8061006    0.00   .482   34.47   .482                GLOB UNIF    DL 0 3
  3018   LOAD Z  401 510    0.00  -.654    4.57  -.654                GLOB UNIF    DL 0 3
  3019   LOAD Z  403 511    0.00  -.654    4.57  -.654                GLOB UNIF    DL 0 3
  3020   LOAD Z  406 512    0.00  -.654    4.57  -.654                GLOB UNIF    DL 0 3
  3021   LOAD Z  510 710    0.00  -.654   25.34  -.654                GLOB UNIF    DL 0 3
  3022   LOAD Z  511 711    0.00  -.654   25.34  -.654                GLOB UNIF    DL 0 3
  3023   LOAD Z  512 712    0.00  -.654   25.35  -.654                GLOB UNIF    DL 0 3
  3024   LOAD Z  710 810    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3025   LOAD Z  711 811    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3026   LOAD Z  712 812    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3027   LOAD Z  8101010    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3028   LOAD Z  8111011    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3029   LOAD Z  8121012    0.00  -.743   34.47  -.743                GLOB UNIF    DL 0 3
  3030   LOADCN   4
  3031   LOAD X  401 510    0.00    390                               GLOB CONC    WN 0 4
  3032   LOAD Y  401 510                                0.00 236476   GLOB MOMT    WN 0 4
  3033   LOAD Y  401 510    0.00    676                               GLOB CONC    WN 0 4
  3034   LOAD X  401 510                                0.00-409588   GLOB MOMT    WN 0 4
  3035   LOAD X  403 511    0.00    390                               GLOB CONC    WN 0 4
  3036   LOAD Y  403 511                                0.00 236476   GLOB MOMT    WN 0 4
  3037   LOAD Y  403 511    0.00    676                               GLOB CONC    WN 0 4
  3038   LOAD X  403 511                                0.00-409588   GLOB MOMT    WN 0 4
  3039   LOAD X  406 512    0.00    390                               GLOB CONC    WN 0 4
  3040   LOAD Y  406 512                                0.00 236476   GLOB MOMT    WN 0 4
  3041   LOAD Y  406 512    0.00    676                               GLOB CONC    WN 0 4
  3042   LOAD X  406 512                                0.00-409588   GLOB MOMT    WN 0 4
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LINE NO.	1										
3043	LOAD	X	201	303	14.95	20	3.54	24	GLOB	UNIF	WV 0 4
3044	LOAD	Y	201	303	14.95	98	3.54	116	GLOB	UNIF	WV 0 4
3045	LOAD	Z	201	303	14.95-	38	3.54-	46	GLOB	UNIF	WV 0 4
3046	LOAD	X	201	303	18.49	24	3.54	27	GLOB	UNIF	WV 0 4
3047	LOAD	Y	201	303	18.49	116	3.54	130	GLOB	UNIF	WV 0 4
3048	LOAD	Z	201	303	18.49-	46	3.54-	53	GLOB	UNIF	WV 0 4
3049	LOAD	X	201	303	22.03	27	3.54	28	GLOB	UNIF	WV 0 4
3050	LOAD	Y	201	303	22.03	130	3.54	132	GLOB	UNIF	WV 0 4
3051	LOAD	Z	201	303	22.03-	53	3.54-	55	GLOB	UNIF	WV 0 4
3052	LOAD	X	201	303	25.57	28	3.54	29	GLOB	UNIF	WV 0 4
3053	LOAD	Y	201	303	25.57	132	3.54	133	GLOB	UNIF	WV 0 4
3054	LOAD	Z	201	303	25.57-	55	3.54-	55	GLOB	UNIF	WV 0 4
3055	LOAD	X	201	303	29.11	29	3.54	29	GLOB	UNIF	WV 0 4
3056	LOAD	Y	201	303	29.11	133	3.54	133	GLOB	UNIF	WV 0 4
3057	LOAD	Z	201	303	29.11-	55	3.54-	56	GLOB	UNIF	WV 0 4
3058	LOAD	X	206	301	22.83		.98	141	GLOB	UNIF	WV 0 4
3059	LOAD	Y	206	301	22.83		.98	117	GLOB	UNIF	WV 0 4
3060	LOAD	Z	206	301	22.83		.98-	60	GLOB	UNIF	WV 0 4
3061	LOAD	X	206	301	23.81	141	.98		GLOB	UNIF	WV 0 4
3062	LOAD	Y	206	301	23.81	117	.98		GLOB	UNIF	WV 0 4
3063	LOAD	Z	206	301	23.81-	60	.98		GLOB	UNIF	WV 0 4
3064	LOAD	X	206	301	25.78		.98	154	GLOB	UNIF	WV 0 4
3065	LOAD	Y	206	301	25.78		.98	131	GLOB	UNIF	WV 0 4
3066	LOAD	Z	206	301	25.78		.98-	71	GLOB	UNIF	WV 0 4
3067	LOAD	X	206	301	26.76	154	.98	158	GLOB	UNIF	WV 0 4
3068	LOAD	Y	206	301	26.76	131	.98	136	GLOB	UNIF	WV 0 4
3069	LOAD	Z	206	301	26.76-	71	.98-	75	GLOB	UNIF	WV 0 4
3070	LOAD	X	206	301	27.74	158	.98	162	GLOB	UNIF	WV 0 4
3071	LOAD	Y	206	301	27.74	136	.98	140	GLOB	UNIF	WV 0 4
3072	LOAD	Z	206	301	27.74-	75	.98-	78	GLOB	UNIF	WV 0 4
3073	LOAD	X	206	301	28.72	162	.98	166	GLOB	UNIF	WV 0 4
3074	LOAD	Y	206	301	28.72	140	.98	145	GLOB	UNIF	WV 0 4
3075	LOAD	Z	206	301	28.72-	78	.98-	82	GLOB	UNIF	WV 0 4
3076	LOAD	X	206	301	29.70	166	.98	169	GLOB	UNIF	WV 0 4
3077	LOAD	Y	206	301	29.70	145	.98	149	GLOB	UNIF	WV 0 4
3078	LOAD	Z	206	301	29.70-	82	.98-	85	GLOB	UNIF	WV 0 4
3079	LOAD	X	206	301	30.68	169	.98	173	GLOB	UNIF	WV 0 4
3080	LOAD	Y	206	301	30.68	149	.98	153	GLOB	UNIF	WV 0 4
3081	LOAD	Z	206	301	30.68-	85	.98-	89	GLOB	UNIF	WV 0 4
3082	LOAD	X	206	301	31.66	173	.98	176	GLOB	UNIF	WV 0 4
3083	LOAD	Y	206	301	31.66	153	.98	157	GLOB	UNIF	WV 0 4
3084	LOAD	Z	206	301	31.66-	89	.98-	92	GLOB	UNIF	WV 0 4
3085	LOAD	X	301	403	0.00	50	8.13	61	GLOB	UNIF	WV 0 4
3086	LOAD	Y	301	403	0.00	145	8.13	172	GLOB	UNIF	WV 0 4
3087	LOAD	Z	301	403	0.00-	51	8.13-	62	GLOB	UNIF	WV 0 4
3088	LOAD	X	301	403	8.13	61	8.13	62	GLOB	UNIF	WV 0 4
3089	LOAD	Y	301	403	8.13	172	8.13	172	GLOB	UNIF	WV 0 4
3090	LOAD	Z	301	403	8.13-	62	8.13-	63	GLOB	UNIF	WV 0 4
3091	LOAD	X	301	403	16.26	62	8.13	59	GLOB	UNIF	WV 0 4
3092	LOAD	Y	301	403	16.26	172	8.13	159	GLOB	UNIF	WV 0 4

LINE NO.												
3093	LOAD Z	301	403	16,26-	63	8,13-	50	GLOB UNIF	WV	0	4
3094	LOAD X	301	403	24,40	59	8,13	48	GLOB UNIF	WV	0	4
3095	LOAD Y	301	403	24,40	159	8,13	122	GLOB UNIF	WV	0	4
3096	LOAD Z	301	403	24,40-	60	8,13-	49	GLOB UNIF	WV	0	4
3097	LOAD X	301	403	32,53	48	8,13	39	GLOB UNIF	WV	0	4
3098	LOAD Y	301	403	32,53	122	8,13	95	GLOB UNIF	WV	0	4
3099	LOAD Z	301	403	32,53-	49	8,13-	40	GLOB UNIF	WV	0	4
3100	LOAD Y	301	303	0,00	118	5,80	121	GLOB UNIF	WV	0	4
3101	LOAD Z	301	303	0,00-	12	5,80-	15	GLOB UNIF	WV	0	4
3102	LOAD Y	301	303	5,80	121	5,80	124	GLOB UNIF	WV	0	4
3103	LOAD Z	301	303	5,80-	15	5,80-	17	GLOB UNIF	WV	0	4
3104	LOAD Y	301	303	11,60	124	5,80	127	GLOB UNIF	WV	0	4
3105	LOAD Z	301	303	11,60-	17	5,80-	20	GLOB UNIF	WV	0	4
3106	LOAD Y	301	303	17,40	127	5,80	125	GLOB UNIF	WV	0	4
3107	LOAD Z	301	303	17,40-	27	5,80-	21	GLOB UNIF	WV	0	4
3108	LOAD Y	301	303	23,20	125	5,80	112	GLOB UNIF	WV	0	4
3109	LOAD Z	301	303	23,20-	21	5,80-	22	GLOB UNIF	WV	0	4
3110	LOAD Z	303	306	0,00-	22	4,99-	20	GLOB UNIF	WV	0	4
3111	LOAD Z	303	306	4,99-	20	4,99-	16	GLOB UNIF	WV	0	4
3112	LOAD Z	303	306	9,98-	16	4,99-	11	GLOB UNIF	WV	0	4
3113	LOAD Z	303	306	14,97-	11	4,99-	1	GLOB UNIF	WV	0	4
3114	LOAD Z	303	306	19,96-	1	,64		GLOB UNIF	WV	0	4
3115	LOAD Z	303	306	20,60		4,35	09	GLOB UNIF	WV	0	4
3116	LOAD X	301	306	0,00	102	2,39	98	GLOB UNIF	WV	0	4
3117	LOAD Y	301	306	0,00	59	2,39	57	GLOB UNIF	WV	0	4
3118	LOAD Z	301	306	0,00-	12	2,39-	10	GLOB UNIF	WV	0	4
3119	LOAD X	301	306	2,39	98	2,39	94	GLOB UNIF	WV	0	4
3120	LOAD Y	301	306	2,39	57	2,39	55	GLOB UNIF	WV	0	4
3121	LOAD Z	301	306	2,39-	10	2,39-	07	GLOB UNIF	WV	0	4
3122	LOAD X	301	306	4,78	94	2,39	91	GLOB UNIF	WV	0	4
3123	LOAD Y	301	306	4,78	55	2,39	52	GLOB UNIF	WV	0	4
3124	LOAD Z	301	306	4,78-	07	2,39-	05	GLOB UNIF	WV	0	4
3125	LOAD X	301	306	7,17	91	2,39	87	GLOB UNIF	WV	0	4
3126	LOAD Y	301	306	7,17	52	2,39	50	GLOB UNIF	WV	0	4
3127	LOAD Z	301	306	7,17-	05	2,39-	03	GLOB UNIF	WV	0	4
3128	LOAD X	301	306	9,55	87	2,39	83	GLOB UNIF	WV	0	4
3129	LOAD Y	301	306	9,55	50	2,39	48	GLOB UNIF	WV	0	4
3130	LOAD Z	301	306	9,55-	03	2,39		GLOB UNIF	WV	0	4
3131	LOAD X	301	306	11,94	83	2,39	79	GLOB UNIF	WV	0	4
3132	LOAD Y	301	306	11,94	48	2,39	46	GLOB UNIF	WV	0	4
3133	LOAD Z	301	306	12,15		2,18	02	GLOB UNIF	WV	0	4
3134	LOAD X	301	306	14,33	79	2,39	75	GLOB UNIF	WV	0	4
3135	LOAD Y	301	306	14,33	46	2,39	43	GLOB UNIF	WV	0	4
3136	LOAD Z	301	306	14,33	02	2,39	04	GLOB UNIF	WV	0	4
3137	LOAD X	301	306	16,72	75	2,39	71	GLOB UNIF	WV	0	4
3138	LOAD Y	301	306	16,72	43	2,39	41	GLOB UNIF	WV	0	4
3139	LOAD Z	301	306	16,72	04	2,39	07	GLOB UNIF	WV	0	4
3140	LOAD X	301	306	19,11	71	2,39	59	GLOB UNIF	WV	0	4
3141	LOAD Y	301	306	19,11	41	2,39	34	GLOB UNIF	WV	0	4
3142	LOAD Z	301	306	19,11	07	2,39	09	GLOB UNIF	WV	0	4

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.														
3143	LOAD	X	501	506	21.50	59	2.39		GLOB	UNIF	WV	0	4
3144	LOAD	Y	501	506	21.50	34	2.39		GLOB	UNIF	WV	0	4
3145	LOAD	Z	501	506	21.50	09	2.39		GLOB	UNIF	WV	0	4
3146	LOAD	Y	501	502	0.00	61	3.03	61	GLOB	UNIF	WV	0	4
3147	LOAD	Z	501	502	0.00-	09	3.03-	09	GLOB	UNIF	WV	0	4
3148	LOAD	Y	501	502	3.03	61	3.03	60	GLOB	UNIF	WV	0	4
3149	LOAD	Z	501	502	3.03-	09	3.03-	09	GLOB	UNIF	WV	0	4
3150	LOAD	Y	501	502	6.06	60	3.03	60	GLOB	UNIF	WV	0	4
3151	LOAD	Z	501	502	6.06-	09	3.03-	09	GLOB	UNIF	WV	0	4
3152	LOAD	Y	501	502	9.09	60	3.03	60	GLOB	UNIF	WV	0	4
3153	LOAD	Z	501	502	9.09-	09	3.03-	10	GLOB	UNIF	WV	0	4
3154	LOAD	Y	501	502	12.12	60	3.03	60	GLOB	UNIF	WV	0	4
3155	LOAD	Z	501	502	12.12-	10	3.03-	10	GLOB	UNIF	WV	0	4
3156	LOAD	Y	502	503	0.00	60	3.03	60	GLOB	UNIF	WV	0	4
3157	LOAD	Z	502	503	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	4
3158	LOAD	Y	502	503	3.03	60	3.03	59	GLOB	UNIF	WV	0	4
3159	LOAD	Z	502	503	3.03-	10	3.03-	10	GLOB	UNIF	WV	0	4
3160	LOAD	Y	502	503	6.06	59	3.03	58	GLOB	UNIF	WV	0	4
3161	LOAD	Z	502	503	6.06-	10	3.03-	10	GLOB	UNIF	WV	0	4
3162	LOAD	Y	502	503	9.09	58	3.03	58	GLOB	UNIF	WV	0	4
3163	LOAD	Z	502	503	9.09-	10	3.03-	10	GLOB	UNIF	WV	0	4
3164	LOAD	Y	502	503	12.12	58	3.03	57	GLOB	UNIF	WV	0	4
3165	LOAD	Z	502	503	12.12-	10	3.03-	10	GLOB	UNIF	WV	0	4
3166	LOAD	Z	503	505	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	4
3167	LOAD	Z	503	505	3.03-	10	3.03-	10	GLOB	UNIF	WV	0	4
3168	LOAD	Z	503	505	6.06-	10	3.03-	10	GLOB	UNIF	WV	0	4
3169	LOAD	Z	503	505	9.09-	10	3.03-	09	GLOB	UNIF	WV	0	4
3170	LOAD	Z	503	505	12.12-	09	3.03-	09	GLOB	UNIF	WV	0	4
3171	LOAD	Z	505	506	0.00-	09	3.03-	08	GLOB	UNIF	WV	0	4
3172	LOAD	Z	505	506	3.03-	08	3.03-	07	GLOB	UNIF	WV	0	4
3173	LOAD	Z	505	506	6.06-	07	3.03-	06	GLOB	UNIF	WV	0	4
3174	LOAD	Z	505	506	9.09-	06	3.03-	05	GLOB	UNIF	WV	0	4
3175	LOAD	Z	505	506	12.12-	05	3.03-	03	GLOB	UNIF	WV	0	4
3176	LOAD	X	501	504	0.00	53	3.03	53	GLOB	UNIF	WV	0	4
3177	LOAD	Y	501	504	0.00	30	3.03	30	GLOB	UNIF	WV	0	4
3178	LOAD	Z	501	504	0.00-	09	3.03-	08	GLOB	UNIF	WV	0	4
3179	LOAD	X	501	504	3.03	53	3.03	52	GLOB	UNIF	WV	0	4
3180	LOAD	Y	501	504	3.03	30	3.03	30	GLOB	UNIF	WV	0	4
3181	LOAD	Z	501	504	3.03-	08	3.03-	08	GLOB	UNIF	WV	0	4
3182	LOAD	X	501	504	6.06	52	3.03	52	GLOB	UNIF	WV	0	4
3183	LOAD	Y	501	504	6.06	30	3.03	30	GLOB	UNIF	WV	0	4
3184	LOAD	Z	501	504	6.06-	08	3.03-	07	GLOB	UNIF	WV	0	4
3185	LOAD	X	501	504	9.09	52	3.03	52	GLOB	UNIF	WV	0	4
3186	LOAD	Y	501	504	9.09	30	3.03	30	GLOB	UNIF	WV	0	4
3187	LOAD	Z	501	504	9.09-	07	3.03-	07	GLOB	UNIF	WV	0	4
3188	LOAD	X	501	504	12.12	52	3.03	52	GLOB	UNIF	WV	0	4
3189	LOAD	Y	501	504	12.12	30	3.03	30	GLOB	UNIF	WV	0	4
3190	LOAD	Z	501	504	12.12-	07	3.03-	06	GLOB	UNIF	WV	0	4
3191	LOAD	X	504	506	0.00	52	3.03	52	GLOB	UNIF	WV	0	4
3192	LOAD	Y	504	506	0.00	30	3.03	30	GLOB	UNIF	WV	0	4

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                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   3193   LOAD Z   504 506    0.00-    06   3.03-    06                  GLOB UNIF    WV 0 4
   3194   LOAD X   504 506    3.03     52   3.03     51                  GLOB UNIF    WV 0 4
   3195   LOAD Y   504 506    3.03     30   3.03     30                  GLOB UNIF    WV 0 4
   3196   LOAD Z   504 506    3.03-    06   3.03-    05                  GLOB UNIF    WV 0 4
   3197   LOAD X   504 506    6.06     51   3.03     51                  GLOB UNIF    WV 0 4
   3198   LOAD Y   504 506    6.06     30   3.03     29                  GLOB UNIF    WV 0 4
   3199   LOAD Z   504 506    6.06-    05   3.03-    05                  GLOB UNIF    WV 0 4
   3200   LOAD X   504 506    9.09     51   3.03     50                  GLOB UNIF    WV 0 4
   3201   LOAD Y   504 506    9.09     29   3.03     29                  GLOB UNIF    WV 0 4
   3202   LOAD Z   504 506    9.09-    05   3.03-    04                  GLOB UNIF    WV 0 4
   3203   LOAD X   504 506   12.12     50   3.03     50                  GLOB UNIF    WV 0 4
   3204   LOAD Y   504 506   12.12     29   3.03     29                  GLOB UNIF    WV 0 4
   3205   LOAD Z   504 506   12.12-    04   3.03-    03                  GLOB UNIF    WV 0 4
   3206   LOAD Z   502 504    0.00-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3207   LOAD Z   502 504    3.03-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3208   LOAD Z   502 504    6.06-    04   3.03-    03                  GLOB UNIF    WV 0 4
   3209   LOAD Z   502 504    9.09-    03   3.03-    03                  GLOB UNIF    WV 0 4
   3210   LOAD Z   502 504   12.12-    03   3.03-    02                  GLOB UNIF    WV 0 4
   3211   LOAD X   502 505    0.00     35   3.03     35                  GLOB UNIF    WV 0 4
   3212   LOAD Y   502 505    0.00     20   3.03     20                  GLOB UNIF    WV 0 4
   3213   LOAD Z   502 505    0.00-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3214   LOAD X   502 505    3.03     35   3.03     35                  GLOB UNIF    WV 0 4
   3215   LOAD Y   502 505    3.03     20   3.03     20                  GLOB UNIF    WV 0 4
   3216   LOAD Z   502 505    3.03-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3217   LOAD X   502 505    6.06     35   3.03     35                  GLOB UNIF    WV 0 4
   3218   LOAD Y   502 505    6.06     20   3.03     20                  GLOB UNIF    WV 0 4
   3219   LOAD Z   502 505    6.06-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3220   LOAD X   502 505    9.09     35   3.03     35                  GLOB UNIF    WV 0 4
   3221   LOAD Y   502 505    9.09     20   3.03     20                  GLOB UNIF    WV 0 4
   3222   LOAD Z   502 505    9.09-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3223   LOAD X   502 505   12.12     35   3.03     35                  GLOB UNIF    WV 0 4
   3224   LOAD Y   502 505   12.12     20   3.03     20                  GLOB UNIF    WV 0 4
   3225   LOAD Z   502 505   12.12-    04   3.03-    04                  GLOB UNIF    WV 0 4
   3226   LOAD Y   504 505    0.00     39   3.03     39                  GLOB UNIF    WV 0 4
   3227   LOAD Z   504 505    0.00-    02   3.03-    03                  GLOB UNIF    WV 0 4
   3228   LOAD Y   504 505    3.03     39   3.03     40                  GLOB UNIF    WV 0 4
   3229   LOAD Z   504 505    3.03-    03   3.03-    03                  GLOB UNIF    WV 0 4
   3230   LOAD Y   504 505    6.06     40   3.03     40                  GLOB UNIF    WV 0 4
   3231   LOAD Z   504 505    6.06-    03   3.03-    03                  GLOB UNIF    WV 0 4
   3232   LOAD Y   504 505    9.10     40   3.03     40                  GLOB UNIF    WV 0 4
   3233   LOAD Z   504 505    9.10-    03   3.03-    03                  GLOB UNIF    WV 0 4
   3234   LOAD Y   504 505   12.13     40   3.03     40                  GLOB UNIF    WV 0 4
   3235   LOAD Z   504 505   12.13-    03   3.03-    04                  GLOB UNIF    WV 0 4
   3236   LOAD X   501 513    0.00     26    .60     26                  GLOB UNIF    WV 0 4
   3237   LOAD Y   501 513    0.00     45    .60     45                  GLOB UNIF    WV 0 4
   3238   LOAD Z   501 513    0.00-    05    .60-    05                  GLOB UNIF    WV 0 4
   3239   LOAD X   501 513     .60     26    .60     26                  GLOB UNIF    WV 0 4
   3240   LOAD Y   501 513     .60     45    .60     45                  GLOB UNIF    WV 0 4
   3241   LOAD Z   501 513     .60-    05    .60-    05                  GLOB UNIF    WV 0 4
   3242   LOAD X   501 513    1.20     26    .60     26                  GLOB UNIF    WV 0 4
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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

3243	LOAD	Y	501	513	1.20	45	.60	45	GLOB	UNIF	WV	0	4
3244	LOAD	Z	501	513	1.20-	05	.60-	05	GLOB	UNIF	WV	0	4
3245	LOAD	X	501	513	1.80	26	.60	26	GLOB	UNIF	WV	0	4
3246	LOAD	Y	501	513	1.80	45	.60	45	GLOB	UNIF	WV	0	4
3247	LOAD	Z	501	513	1.80-	05	.60-	05	GLOB	UNIF	WV	0	4
3248	LOAD	X	501	513	2.39	26	.60	26	GLOB	UNIF	WV	0	4
3249	LOAD	Y	501	513	2.39	45	.60	45	GLOB	UNIF	WV	0	4
3250	LOAD	Z	501	513	2.39-	05	.60-	05	GLOB	UNIF	WV	0	4
3251	LOAD	X	503	514	0.00-	13	.60-	12	GLOB	UNIF	WV	0	4
3252	LOAD	Y	503	514	0.00	21	.60	21	GLOB	UNIF	WV	0	4
3253	LOAD	Z	503	514	0.00-	06	.60-	06	GLOB	UNIF	WV	0	4
3254	LOAD	X	503	514	.60-	12	.60-	12	GLOB	UNIF	WV	0	4
3255	LOAD	Y	503	514	.60	21	.60	21	GLOB	UNIF	WV	0	4
3256	LOAD	Z	503	514	.60-	06	.60-	06	GLOB	UNIF	WV	0	4
3257	LOAD	X	503	514	1.20-	12	.60-	12	GLOB	UNIF	WV	0	4
3258	LOAD	Y	503	514	1.20	21	.60	21	GLOB	UNIF	WV	0	4
3259	LOAD	Z	503	514	1.20-	06	.60-	06	GLOB	UNIF	WV	0	4
3260	LOAD	X	503	514	1.80-	12	.60-	12	GLOB	UNIF	WV	0	4
3261	LOAD	Y	503	514	1.80	21	.60	21	GLOB	UNIF	WV	0	4
3262	LOAD	Z	503	514	1.80-	06	.60-	06	GLOB	UNIF	WV	0	4
3263	LOAD	X	503	514	2.39-	12	.60-	12	GLOB	UNIF	WV	0	4
3264	LOAD	Y	503	514	2.39	21	.60	21	GLOB	UNIF	WV	0	4
3265	LOAD	Z	503	514	2.39-	06	.60-	06	GLOB	UNIF	WV	0	4
3266	LOAD	X	513	651	0.00	94	3.60	86	GLOB	UNIF	WV	0	4
3267	LOAD	Y	513	651	0.00	165	3.60	149	GLOB	UNIF	WV	0	4
3268	LOAD	X	513	651	3.60	86	3.60	80	GLOB	UNIF	WV	0	4
3269	LOAD	Y	513	651	3.60	149	3.60	138	GLOB	UNIF	WV	0	4
3270	LOAD	X	513	651	7.20	80	3.60	74	GLOB	UNIF	WV	0	4
3271	LOAD	Y	513	651	7.20	138	3.60	127	GLOB	UNIF	WV	0	4
3272	LOAD	X	513	651	10.80	74	3.60	68	GLOB	UNIF	WV	0	4
3273	LOAD	Y	513	651	10.80	127	3.60	116	GLOB	UNIF	WV	0	4
3274	LOAD	X	513	651	14.40	68	3.60	64	GLOB	UNIF	WV	0	4
3275	LOAD	Y	513	651	14.40	116	3.60	111	GLOB	UNIF	WV	0	4
3276	LOAD	X	514	653	0.00	76	3.60	70	GLOB	UNIF	WV	0	4
3277	LOAD	Y	514	653	0.00	132	3.60	121	GLOB	UNIF	WV	0	4
3278	LOAD	X	514	653	3.60	70	3.60	65	GLOB	UNIF	WV	0	4
3279	LOAD	Y	514	653	3.60	121	3.60	113	GLOB	UNIF	WV	0	4
3280	LOAD	X	514	653	7.20	65	3.60	60	GLOB	UNIF	WV	0	4
3281	LOAD	Y	514	653	7.20	113	3.60	104	GLOB	UNIF	WV	0	4
3282	LOAD	X	514	653	10.80	60	3.60	56	GLOB	UNIF	WV	0	4
3283	LOAD	Y	514	653	10.80	104	3.60	97	GLOB	UNIF	WV	0	4
3284	LOAD	X	514	653	14.40	56	3.60	52	GLOB	UNIF	WV	0	4
3285	LOAD	Y	514	653	14.40	97	3.60	91	GLOB	UNIF	WV	0	4
3286	LOAD	X	601	611	0.00	27	1.20	27	GLOB	UNIF	WV	0	4
3287	LOAD	Z	601	611	0.00-	06	1.20-	06	GLOB	UNIF	WV	0	4
3288	LOAD	X	601	611	1.20	27	1.20	26	GLOB	UNIF	WV	0	4
3289	LOAD	Z	601	611	1.20-	06	1.20-	06	GLOB	UNIF	WV	0	4
3290	LOAD	X	601	611	2.40	26	1.20	26	GLOB	UNIF	WV	0	4
3291	LOAD	Z	601	611	2.40-	06	1.20-	06	GLOB	UNIF	WV	0	4
3292	LOAD	X	601	611	3.60	26	1.20	26	GLOB	UNIF	WV	0	4

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                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  3293   LOAD Z  601 611   3.60-   06   1.20-   07               GLOB UNIF    WV 0 4
  3294   LOAD X  601 611   4.80    26   1.20    26               GLOB UNIF    WV 0 4
  3295   LOAD Z  601 611   4.80-   07   1.20-   07               GLOB UNIF    WV 0 4
  3296   LOAD X  603 613   0.00    25   1.20    25               GLOB UNIF    WV 0 4
  3297   LOAD Z  603 613   0.00-   07   1.20-   07               GLOB UNIF    WV 0 4
  3298   LOAD X  603 613   1.20    25   1.20    25               GLOB UNIF    WV 0 4
  3299   LOAD Z  603 613   1.20-   07   1.20-   07               GLOB UNIF    WV 0 4
  3300   LOAD X  603 613   2.40    25   1.20    25               GLOB UNIF    WV 0 4
  3301   LOAD Z  603 613   2.40-   07   1.20-   07               GLOB UNIF    WV 0 4
  3302   LOAD X  603 613   3.60    25   1.20    24               GLOB UNIF    WV 0 4
  3303   LOAD Z  603 613   3.60-   07   1.20-   07               GLOB UNIF    WV 0 4
  3304   LOAD X  603 613   4.80    24   1.20    24               GLOB UNIF    WV 0 4
  3305   LOAD Z  603 613   4.80-   07   1.20-   07               GLOB UNIF    WV 0 4
  3306   LOAD X  651 661   0.00    25   1.00    25               GLOB UNIF    WV 0 4
  3307   LOAD Z  651 661   0.00-   02   1.00-   02               GLOB UNIF    WV 0 4
  3308   LOAD X  651 661   1.00    25   1.00    25               GLOB UNIF    WV 0 4
  3309   LOAD Z  651 661   1.00-   02   1.00-   02               GLOB UNIF    WV 0 4
  3310   LOAD X  651 661   2.00    25   1.00    25               GLOB UNIF    WV 0 4
  3311   LOAD Z  651 661   2.00-   02   1.00-   02               GLOB UNIF    WV 0 4
  3312   LOAD X  651 661   3.00    25   1.00    25               GLOB UNIF    WV 0 4
  3313   LOAD Z  651 661   3.00-   02   1.00-   02               GLOB UNIF    WV 0 4
  3314   LOAD X  651 661   4.00    25   1.00    25               GLOB UNIF    WV 0 4
  3315   LOAD Z  651 661   4.00-   02   1.00-   02               GLOB UNIF    WV 0 4
  3316   LOAD X  653 663   0.00    25   1.00    25               GLOB UNIF    WV 0 4
  3317   LOAD Z  653 663   0.00-   02   1.00-   03               GLOB UNIF    WV 0 4
  3318   LOAD X  653 663   1.00    25   1.00    25               GLOB UNIF    WV 0 4
  3319   LOAD Z  653 663   1.00-   03   1.00-   03               GLOB UNIF    WV 0 4
  3320   LOAD X  653 663   2.00    25   1.00    25               GLOB UNIF    WV 0 4
  3321   LOAD Z  653 663   2.00-   03   1.00-   03               GLOB UNIF    WV 0 4
  3322   LOAD X  653 663   3.00    25   1.00    25               GLOB UNIF    WV 0 4
  3323   LOAD Z  653 663   3.00-   03   1.00-   03               GLOB UNIF    WV 0 4
  3324   LOAD X  653 663   4.00    25   1.00    24               GLOB UNIF    WV 0 4
  3325   LOAD Z  653 663   4.00-   03   1.00-   03               GLOB UNIF    WV 0 4
  3326   LOAD Y  611 612   0.00    39   3.20    39               GLOB UNIF    WV 0 4
  3327   LOAD Z  611 612   0.00-   05   3.20-   05               GLOB UNIF    WV 0 4
  3328   LOAD Y  611 612   3.20    39   3.20    39               GLOB UNIF    WV 0 4
  3329   LOAD Z  611 612   3.20-   05   3.20-   05               GLOB UNIF    WV 0 4
  3330   LOAD Y  611 612   6.40    39   3.20    39               GLOB UNIF    WV 0 4
  3331   LOAD Z  611 612   6.40-   05   3.20-   05               GLOB UNIF    WV 0 4
  3332   LOAD Y  611 612   9.61    39   3.20    38               GLOB UNIF    WV 0 4
  3333   LOAD Z  611 612   9.61-   05   3.20-   05               GLOB UNIF    WV 0 4
  3334   LOAD Y  611 612  12.61    38   3.20    38               GLOB UNIF    WV 0 4
  3335   LOAD Z  611 612  12.61-   05   3.20-   05               GLOB UNIF    WV 0 4
  3336   LOAD Y  612 613   0.00    38   3.20    38               GLOB UNIF    WV 0 4
  3337   LOAD Z  612 613   0.00-   05   3.20-   05               GLOB UNIF    WV 0 4
  3338   LOAD Y  612 613   3.20    38   3.20    37               GLOB UNIF    WV 0 4
  3339   LOAD Z  612 613   3.20-   05   3.20-   05               GLOB UNIF    WV 0 4
  3340   LOAD Y  612 613   6.40    37   3.20    37               GLOB UNIF    WV 0 4
  3341   LOAD Z  612 613   6.40-   05   3.20-   05               GLOB UNIF    WV 0 4
  3342   LOAD Y  612 613   9.61    37   3.20    37               GLOB UNIF    WV 0 4
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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
3343	LOAD Z	612	613	9.61-	05	3.20-	05	GLOB UNIF	WV	0	4
3344	LOAD Y	612	613	12.81	37	3.20	36	GLOB UNIF	WV	0	4
3345	LOAD Z	612	613	12.81-	05	3.20-	05	GLOB UNIF	WV	0	4
3346	LOAD Y	601	602	0.00	68	3.55	68	GLOB UNIF	WV	0	4
3347	LOAD Z	601	602	0.00-	05	3.55-	05	GLOB UNIF	WV	0	4
3348	LOAD Y	601	602	3.55	68	3.55	68	GLOB UNIF	WV	0	4
3349	LOAD Z	601	602	3.55-	05	3.55-	05	GLOB UNIF	WV	0	4
3350	LOAD Y	601	602	7.10	68	3.55	68	GLOB UNIF	WV	0	4
3351	LOAD Z	601	602	7.10-	05	3.55-	05	GLOB UNIF	WV	0	4
3352	LOAD Y	601	602	10.64	68	3.55	67	GLOB UNIF	WV	0	4
3353	LOAD Z	601	602	10.64-	05	3.55-	05	GLOB UNIF	WV	0	4
3354	LOAD Y	601	602	14.19	67	3.55	67	GLOB UNIF	WV	0	4
3355	LOAD Z	601	602	14.19-	05	3.55-	05	GLOB UNIF	WV	0	4
3356	LOAD Y	602	603	0.00	67	3.55	66	GLOB UNIF	WV	0	4
3357	LOAD Z	602	603	0.00-	05	3.55-	05	GLOB UNIF	WV	0	4
3358	LOAD Y	602	603	3.55	66	3.55	66	GLOB UNIF	WV	0	4
3359	LOAD Z	602	603	3.55-	05	3.55-	05	GLOB UNIF	WV	0	4
3360	LOAD Y	602	603	7.10	66	3.55	65	GLOB UNIF	WV	0	4
3361	LOAD Z	602	603	7.10-	05	3.55-	05	GLOB UNIF	WV	0	4
3362	LOAD Y	602	603	10.64	65	3.55	65	GLOB UNIF	WV	0	4
3363	LOAD Z	602	603	10.64-	05	3.55-	06	GLOB UNIF	WV	0	4
3364	LOAD Y	602	603	14.19	65	3.55	64	GLOB UNIF	WV	0	4
3365	LOAD Z	602	603	14.19-	06	3.55-	06	GLOB UNIF	WV	0	4
3366	LOAD X	611	601	0.00	52	2.42	50	GLOB UNIF	WV	0	4
3367	LOAD Y	611	601	0.00	100	2.42	95	GLOB UNIF	WV	0	4
3368	LOAD Z	611	601	0.00	07	2.42	07	GLOB UNIF	WV	0	4
3369	LOAD X	611	601	2.42	50	2.42	47	GLOB UNIF	WV	0	4
3370	LOAD Y	611	601	2.42	95	2.42	90	GLOB UNIF	WV	0	4
3371	LOAD Z	611	601	2.42	07	2.42	07	GLOB UNIF	WV	0	4
3372	LOAD X	611	601	4.85	47	2.42	45	GLOB UNIF	WV	0	4
3373	LOAD Y	611	601	4.85	90	2.42	86	GLOB UNIF	WV	0	4
3374	LOAD Z	611	601	4.85	07	2.42	06	GLOB UNIF	WV	0	4
3375	LOAD X	611	601	7.27	45	2.42	43	GLOB UNIF	WV	0	4
3376	LOAD Y	611	601	7.27	86	2.42	82	GLOB UNIF	WV	0	4
3377	LOAD Z	611	601	7.27	06	2.42	06	GLOB UNIF	WV	0	4
3378	LOAD X	611	601	9.70	43	2.42	41	GLOB UNIF	WV	0	4
3379	LOAD Y	611	601	9.70	82	2.42	79	GLOB UNIF	WV	0	4
3380	LOAD Z	611	601	9.70	06	2.42	06	GLOB UNIF	WV	0	4
3381	LOAD X	612	602	0.00	36	2.40	35	GLOB UNIF	WV	0	4
3382	LOAD Y	612	602	0.00	63	2.40	60	GLOB UNIF	WV	0	4
3383	LOAD X	612	602	2.40	35	2.40	33	GLOB UNIF	WV	0	4
3384	LOAD Y	612	602	2.40	60	2.40	57	GLOB UNIF	WV	0	4
3385	LOAD X	612	602	4.80	33	2.40	31	GLOB UNIF	WV	0	4
3386	LOAD Y	612	602	4.80	57	2.40	54	GLOB UNIF	WV	0	4
3387	LOAD X	612	602	7.20	31	2.40	30	GLOB UNIF	WV	0	4
3388	LOAD Y	612	602	7.20	54	2.40	52	GLOB UNIF	WV	0	4
3389	LOAD X	612	602	9.60	30	2.40	28	GLOB UNIF	WV	0	4
3390	LOAD Y	612	602	9.60	52	2.40	49	GLOB UNIF	WV	0	4
3391	LOAD X	613	603	0.00	52	2.42	50	GLOB UNIF	WV	0	4
3392	LOAD Y	613	603	0.00	85	2.42	80	GLOB UNIF	WV	0	4

LINE NO.	1...5....0....5			2....0....5	3....0	5	4....0....5	6....0....5....0		7....5....0		
3393	LOAD Z	613	663	0.00-	07	2.42-	07	GLOB	UNIF	WV	0	4
3394	LOAD X	613	663	2.42	50	2.42	47	GLOB	UNIF	WV	0	4
3395	LOAD Y	613	663	2.42	80	2.42	76	GLOB	UNIF	WV	0	4
3396	LOAD Z	613	663	2.42-	07	2.42-	07	GLOB	UNIF	WV	0	4
3397	LOAD X	613	663	4.85	47	2.42	45	GLOB	UNIF	WV	0	4
3398	LOAD Y	613	663	4.85	76	2.42	72	GLOB	UNIF	WV	0	4
3399	LOAD Z	613	663	4.85-	07	2.42-	06	GLOB	UNIF	WV	0	4
3400	LOAD X	613	663	7.27	45	2.42	43	GLOB	UNIF	WV	0	4
3401	LOAD Y	613	663	7.27	72	2.42	69	GLOB	UNIF	WV	0	4
3402	LOAD Z	613	663	7.27-	06	2.42-	06	GLOB	UNIF	WV	0	4
3403	LOAD X	613	663	9.70	43	2.42	41	GLOB	UNIF	WV	0	4
3404	LOAD Y	613	663	9.70	69	2.42	66	GLOB	UNIF	WV	0	4
3405	LOAD Z	613	663	9.70-	06	2.42-	06	GLOB	UNIF	WV	0	4
3406	LOAD X	501	632	0.00	19	4.05	18	GLOB	UNIF	WV	0	4
3407	LOAD Y	501	632	0.00	76	4.05	70	GLOB	UNIF	WV	0	4
3408	LOAD Z	501	632	0.00-	33	4.05-	31	GLOB	UNIF	WV	0	4
3409	LOAD X	501	632	4.05	18	4.05	18	GLOB	UNIF	WV	0	4
3410	LOAD Y	501	632	4.05	70	4.05	66	GLOB	UNIF	WV	0	4
3411	LOAD Z	501	632	4.05-	31	4.05-	30	GLOB	UNIF	WV	0	4
3412	LOAD X	501	632	8.10	18	4.05	17	GLOB	UNIF	WV	0	4
3413	LOAD Y	501	632	8.10	66	4.05	63	GLOB	UNIF	WV	0	4
3414	LOAD Z	501	632	8.10-	30	4.05-	28	GLOB	UNIF	WV	0	4
3415	LOAD X	501	632	12.15	17	4.05	16	GLOB	UNIF	WV	0	4
3416	LOAD Y	501	632	12.15	63	4.05	59	GLOB	UNIF	WV	0	4
3417	LOAD Z	501	632	12.15-	28	4.05-	27	GLOB	UNIF	WV	0	4
3418	LOAD X	501	632	16.20	16	4.05	15	GLOB	UNIF	WV	0	4
3419	LOAD Y	501	632	16.20	59	4.05	56	GLOB	UNIF	WV	0	4
3420	LOAD Z	501	632	16.20-	27	4.05-	26	GLOB	UNIF	WV	0	4
3421	LOAD X	503	635	0.00	14	4.05	13	GLOB	UNIF	WV	0	4
3422	LOAD Y	503	635	0.00	17	4.05	16	GLOB	UNIF	WV	0	4
3423	LOAD Z	503	635	0.00	29	4.05	28	GLOB	UNIF	WV	0	4
3424	LOAD X	503	635	4.05	13	4.05	13	GLOB	UNIF	WV	0	4
3425	LOAD Y	503	635	4.05	16	4.05	16	GLOB	UNIF	WV	0	4
3426	LOAD Z	503	635	4.05	28	4.05	27	GLOB	UNIF	WV	0	4
3427	LOAD X	503	635	8.10	13	4.05	13	GLOB	UNIF	WV	0	4
3428	LOAD Y	503	635	8.10	16	4.05	15	GLOB	UNIF	WV	0	4
3429	LOAD Z	503	635	8.10	27	4.05	27	GLOB	UNIF	WV	0	4
3430	LOAD X	503	635	12.15	13	4.05	12	GLOB	UNIF	WV	0	4
3431	LOAD Y	503	635	12.15	15	4.05	15	GLOB	UNIF	WV	0	4
3432	LOAD Z	503	635	12.15	27	4.05	26	GLOB	UNIF	WV	0	4
3433	LOAD X	503	635	16.20	12	4.05	12	GLOB	UNIF	WV	0	4
3434	LOAD Y	503	635	16.20	15	4.05	14	GLOB	UNIF	WV	0	4
3435	LOAD Z	503	635	16.20	26	4.05	25	GLOB	UNIF	WV	0	4
3436	LOAD X	506	634	0.00	55	4.05	51	GLOB	UNIF	WV	0	4
3437	LOAD Y	506	634	0.00	56	4.05	54	GLOB	UNIF	WV	0	4
3438	LOAD Z	506	634	0.00-	22	4.05-	22	GLOB	UNIF	WV	0	4
3439	LOAD X	506	634	4.05	51	4.05	49	GLOB	UNIF	WV	0	4
3440	LOAD Y	506	634	4.05	54	4.05	52	GLOB	UNIF	WV	0	4
3441	LOAD Z	506	634	4.05-	22	4.05-	22	GLOB	UNIF	WV	0	4
3442	LOAD X	506	634	8.10	49	4.05	47	GLOB	UNIF	WV	0	4

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
3443	LOAD Y	506 634	6.10	52	4.05	50	GLOB UNIF	WV	0	4
3444	LOAD Z	506 634	6.10-	22	4.05-	22	GLOB UNIF	WV	0	4
3445	LOAD X	506 634	12.14	47	4.05	45	GLOB UNIF	WV	0	4
3446	LOAD Y	506 634	12.14	50	4.05	48	GLOB UNIF	WV	0	4
3447	LOAD Z	506 634	12.14-	22	4.05-	21	GLOB UNIF	WV	0	4
3448	LOAD X	506 634	18.19	45	4.05	42	GLOB UNIF	WV	0	4
3449	LOAD Y	506 634	18.19	48	4.05	46	GLOB UNIF	WV	0	4
3450	LOAD Z	506 634	18.19-	21	4.05-	21	GLOB UNIF	WV	0	4
3451	LOAD X	652 703	0.00	20	4.39	19	GLOB UNIF	WV	0	4
3452	LOAD Y	652 703	0.00	84	4.39	79	GLOB UNIF	WV	0	4
3453	LOAD Z	652 703	0.00-	35	4.39-	33	GLOB UNIF	WV	0	4
3454	LOAD X	652 703	4.39	19	4.39	18	GLOB UNIF	WV	0	4
3455	LOAD Y	652 703	4.39	79	4.39	75	GLOB UNIF	WV	0	4
3456	LOAD Z	652 703	4.39-	33	4.39-	31	GLOB UNIF	WV	0	4
3457	LOAD X	652 703	8.77	18	4.39	17	GLOB UNIF	WV	0	4
3458	LOAD Y	652 703	8.77	75	4.39	70	GLOB UNIF	WV	0	4
3459	LOAD Z	652 703	8.77-	31	4.39-	29	GLOB UNIF	WV	0	4
3460	LOAD X	652 703	13.16	17	4.39	16	GLOB UNIF	WV	0	4
3461	LOAD Y	652 703	13.16	70	4.39	66	GLOB UNIF	WV	0	4
3462	LOAD Z	652 703	13.16-	29	4.39-	28	GLOB UNIF	WV	0	4
3463	LOAD X	652 703	17.55	16	4.39	15	GLOB UNIF	WV	0	4
3464	LOAD Y	652 703	17.55	66	4.39	62	GLOB UNIF	WV	0	4
3465	LOAD Z	652 703	17.55-	28	4.39-	26	GLOB UNIF	WV	0	4
3466	LOAD X	655 706	0.00	19	4.39	18	GLOB UNIF	WV	0	4
3467	LOAD Y	655 706	0.00	24	4.39	23	GLOB UNIF	WV	0	4
3468	LOAD Z	655 706	0.00	41	4.39	39	GLOB UNIF	WV	0	4
3469	LOAD X	655 706	4.39	18	4.39	17	GLOB UNIF	WV	0	4
3470	LOAD Y	655 706	4.39	23	4.39	22	GLOB UNIF	WV	0	4
3471	LOAD Z	655 706	4.39	39	4.39	37	GLOB UNIF	WV	0	4
3472	LOAD X	655 706	8.77	17	4.39	16	GLOB UNIF	WV	0	4
3473	LOAD Y	655 706	8.77	22	4.39	21	GLOB UNIF	WV	0	4
3474	LOAD Z	655 706	8.77	37	4.39	36	GLOB UNIF	WV	0	4
3475	LOAD X	655 706	13.16	16	4.39	15	GLOB UNIF	WV	0	4
3476	LOAD Y	655 706	13.16	21	4.39	20	GLOB UNIF	WV	0	4
3477	LOAD Z	655 706	13.16	36	4.39	34	GLOB UNIF	WV	0	4
3478	LOAD X	655 706	17.55	15	4.39	15	GLOB UNIF	WV	0	4
3479	LOAD Y	655 706	17.55	20	4.39	19	GLOB UNIF	WV	0	4
3480	LOAD Z	655 706	17.55	34	4.39	32	GLOB UNIF	WV	0	4
3481	LOAD X	654 701	0.00	63	4.39	60	GLOB UNIF	WV	0	4
3482	LOAD Y	654 701	0.00	66	4.39	63	GLOB UNIF	WV	0	4
3483	LOAD Z	654 701	0.00-	27	4.39-	26	GLOB UNIF	WV	0	4
3484	LOAD X	654 701	4.39	60	4.39	57	GLOB UNIF	WV	0	4
3485	LOAD Y	654 701	4.39	63	4.39	61	GLOB UNIF	WV	0	4
3486	LOAD Z	654 701	4.39-	26	4.39-	26	GLOB UNIF	WV	0	4
3487	LOAD X	654 701	8.77	57	4.39	55	GLOB UNIF	WV	0	4
3488	LOAD Y	654 701	8.77	61	4.39	58	GLOB UNIF	WV	0	4
3489	LOAD Z	654 701	8.77-	26	4.39-	25	GLOB UNIF	WV	0	4
3490	LOAD X	654 701	13.16	55	4.39	52	GLOB UNIF	WV	0	4
3491	LOAD Y	654 701	13.16	58	4.39	55	GLOB UNIF	WV	0	4
3492	LOAD Z	654 701	13.16-	25	4.39-	24	GLOB UNIF	WV	0	4

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

3493	LOAD	X	634 701	17.55	52	4.39	50	GLOB UNIF	WV 0 4
3494	LOAD	Y	634 701	17.55	55	4.39	53	GLOB UNIF	WV 0 4
3495	LOAD	Z	634 701	17.55-	24	4.39-	23	GLOB UNIF	WV 0 4
3496	LOAD	Y	701 702	0.00	45	3.75	45	GLOB UNIF	WV 0 4
3497	LOAD	Z	701 702	0.00-	03	3.75-	03	GLOB UNIF	WV 0 4
3498	LOAD	Y	701 702	3.75	45	3.75	45	GLOB UNIF	WV 0 4
3499	LOAD	Z	701 702	3.75-	03	3.75-	03	GLOB UNIF	WV 0 4
3500	LOAD	Y	701 702	7.50	45	3.75	45	GLOB UNIF	WV 0 4
3501	LOAD	Z	701 702	7.50-	03	3.75-	03	GLOB UNIF	WV 0 4
3502	LOAD	Y	701 702	11.25	45	3.75	45	GLOB UNIF	WV 0 4
3503	LOAD	Z	701 702	11.25-	03	3.75-	03	GLOB UNIF	WV 0 4
3504	LOAD	Y	701 702	15.01	45	3.75	45	GLOB UNIF	WV 0 4
3505	LOAD	Z	701 702	15.01-	03	3.75-	03	GLOB UNIF	WV 0 4
3506	LOAD	Y	702 703	0.00	45	3.75	45	GLOB UNIF	WV 0 4
3507	LOAD	Z	702 703	0.00-	03	3.75-	03	GLOB UNIF	WV 0 4
3508	LOAD	Y	702 703	3.75	45	3.75	44	GLOB UNIF	WV 0 4
3509	LOAD	Z	702 703	3.75-	03	3.75-	03	GLOB UNIF	WV 0 4
3510	LOAD	Y	702 703	7.50	44	3.75	44	GLOB UNIF	WV 0 4
3511	LOAD	Z	702 703	7.50-	03	3.75-	03	GLOB UNIF	WV 0 4
3512	LOAD	Y	702 703	11.26	44	3.75	44	GLOB UNIF	WV 0 4
3513	LOAD	Z	702 703	11.26-	03	3.75-	03	GLOB UNIF	WV 0 4
3514	LOAD	Y	702 703	15.01	44	3.75	44	GLOB UNIF	WV 0 4
3515	LOAD	Z	702 703	15.01-	03	3.75-	03	GLOB UNIF	WV 0 4
3516	LOAD	Z	703 705	0.00-	03	3.75-	03	GLOB UNIF	WV 0 4
3517	LOAD	Z	703 705	3.75-	03	3.75-	03	GLOB UNIF	WV 0 4
3518	LOAD	Z	703 705	7.50-	03	3.75-	03	GLOB UNIF	WV 0 4
3519	LOAD	Z	703 705	11.25-	03	3.75-	03	GLOB UNIF	WV 0 4
3520	LOAD	Z	703 705	15.00-	03	3.75-	03	GLOB UNIF	WV 0 4
3521	LOAD	Z	705 706	0.00-	03	3.75-	02	GLOB UNIF	WV 0 4
3522	LOAD	Z	705 706	3.75-	02	3.75-	02	GLOB UNIF	WV 0 4
3523	LOAD	Z	705 706	7.51-	02	3.75-	1	GLOB UNIF	WV 0 4
3524	LOAD	Z	705 706	11.26-	1	3.75-	1	GLOB UNIF	WV 0 4
3525	LOAD	Z	705 706	15.01-	1	3.75		GLOB UNIF	WV 0 4
3526	LOAD	X	701 704	0.00	39	3.75	39	GLOB UNIF	WV 0 4
3527	LOAD	Y	701 704	0.00	22	3.75	22	GLOB UNIF	WV 0 4
3528	LOAD	Z	701 704	0.00-	03	3.75-	03	GLOB UNIF	WV 0 4
3529	LOAD	X	701 704	3.75	39	3.75	38	GLOB UNIF	WV 0 4
3530	LOAD	Y	701 704	3.75	22	3.75	22	GLOB UNIF	WV 0 4
3531	LOAD	Z	701 704	3.75-	03	3.75-	02	GLOB UNIF	WV 0 4
3532	LOAD	X	701 704	7.50	38	3.75	38	GLOB UNIF	WV 0 4
3533	LOAD	Y	701 704	7.50	22	3.75	22	GLOB UNIF	WV 0 4
3534	LOAD	Z	701 704	7.50-	02	3.75-	02	GLOB UNIF	WV 0 4
3535	LOAD	X	701 704	11.25	38	3.75	38	GLOB UNIF	WV 0 4
3536	LOAD	Y	701 704	11.25	22	3.75	22	GLOB UNIF	WV 0 4
3537	LOAD	Z	701 704	11.25-	02	3.75-	02	GLOB UNIF	WV 0 4
3538	LOAD	X	701 704	15.00	38	3.75	38	GLOB UNIF	WV 0 4
3539	LOAD	Y	701 704	15.00	22	3.75	22	GLOB UNIF	WV 0 4
3540	LOAD	Z	701 704	15.00-	02	3.75-	02	GLOB UNIF	WV 0 4
3541	LOAD	X	704 706	0.00	38	3.75	37	GLOB UNIF	WV 0 4
3542	LOAD	Y	704 706	0.00	22	3.75	21	GLOB UNIF	WV 0 4

LINE NO.												
3543	LOAD	Z	704	706	0.00-	02	3.75-	1	GLOB	UNIF	WV	0 4
3544	LOAD	X	704	706	3.75	37	3.75	37	GLOB	UNIF	WV	0 4
3545	LOAD	Y	704	706	3.75	21	3.75	21	GLOB	UNIF	WV	0 4
3546	LOAD	Z	704	706	3.75-	1	3.75-	1	GLOB	UNIF	WV	0 4
3547	LOAD	X	704	706	7.51	37	3.75	36	GLOB	UNIF	WV	0 4
3548	LOAD	Y	704	706	7.51	21	3.75	21	GLOB	UNIF	WV	0 4
3549	LOAD	Z	704	706	7.51-	1	3.75-	1	GLOB	UNIF	WV	0 4
3550	LOAD	X	704	706	11.26	36	3.75	36	GLOB	UNIF	WV	0 4
3551	LOAD	Y	704	706	11.26	21	3.75	21	GLOB	UNIF	WV	0 4
3552	LOAD	Z	704	706	11.26-	1	3.75-	1	GLOB	UNIF	WV	0 4
3553	LOAD	X	704	706	15.01	36	3.75	35	GLOB	UNIF	WV	0 4
3554	LOAD	Y	704	706	15.01	21	3.75	20	GLOB	UNIF	WV	0 4
3555	LOAD	Z	704	706	15.01-	1	3.75		GLOB	UNIF	WV	0 4
3556	LOAD	Z	702	704	0.00-	02	3.75-	02	GLOB	UNIF	WV	0 4
3557	LOAD	Z	702	704	3.75-	02	3.75-	02	GLOB	UNIF	WV	0 4
3558	LOAD	Z	702	704	7.50-	02	3.75-	02	GLOB	UNIF	WV	0 4
3559	LOAD	Z	702	704	11.25-	02	3.75-	1	GLOB	UNIF	WV	0 4
3560	LOAD	Z	702	704	15.00-	1	3.75-	1	GLOB	UNIF	WV	0 4
3561	LOAD	X	702	705	0.00	34	3.75	34	GLOB	UNIF	WV	0 4
3562	LOAD	Y	702	705	0.00	19	3.75	19	GLOB	UNIF	WV	0 4
3563	LOAD	Z	702	705	0.00-	02	3.75-	02	GLOB	UNIF	WV	0 4
3564	LOAD	X	702	705	3.75	34	3.75	33	GLOB	UNIF	WV	0 4
3565	LOAD	Y	702	705	3.75	19	3.75	19	GLOB	UNIF	WV	0 4
3566	LOAD	Z	702	705	3.75-	02	3.75-	02	GLOB	UNIF	WV	0 4
3567	LOAD	X	702	705	7.50	33	3.75	33	GLOB	UNIF	WV	0 4
3568	LOAD	Y	702	705	7.50	19	3.75	19	GLOB	UNIF	WV	0 4
3569	LOAD	Z	702	705	7.50-	02	3.75-	02	GLOB	UNIF	WV	0 4
3570	LOAD	X	702	705	11.25	33	3.75	33	GLOB	UNIF	WV	0 4
3571	LOAD	Y	702	705	11.25	19	3.75	19	GLOB	UNIF	WV	0 4
3572	LOAD	Z	702	705	11.25-	02	3.75-	02	GLOB	UNIF	WV	0 4
3573	LOAD	X	702	705	15.00	33	3.75	33	GLOB	UNIF	WV	0 4
3574	LOAD	Y	702	705	15.00	19	3.75	19	GLOB	UNIF	WV	0 4
3575	LOAD	Z	702	705	15.00-	02	3.75-	02	GLOB	UNIF	WV	0 4
3576	LOAD	Y	704	705	0.00	37	3.75	38	GLOB	UNIF	WV	0 4
3577	LOAD	Z	704	705	0.00-	1	3.75-	1	GLOB	UNIF	WV	0 4
3578	LOAD	Y	704	705	3.75	38	3.75	38	GLOB	UNIF	WV	0 4
3579	LOAD	Z	704	705	3.75-	1	3.75-	1	GLOB	UNIF	WV	0 4
3580	LOAD	Y	704	705	7.50	38	3.75	38	GLOB	UNIF	WV	0 4
3581	LOAD	Z	704	705	7.50-	1	3.75-	1	GLOB	UNIF	WV	0 4
3582	LOAD	Y	704	705	11.26	38	3.75	38	GLOB	UNIF	WV	0 4
3583	LOAD	Z	704	705	11.26-	1	3.75-	02	GLOB	UNIF	WV	0 4
3584	LOAD	Y	704	705	15.01	38	3.75	39	GLOB	UNIF	WV	0 4
3585	LOAD	Z	704	705	15.01-	02	3.75-	02	GLOB	UNIF	WV	0 4
3586	LOAD	X	701	806	0.00	53	10.69	47	GLOB	UNIF	WV	0 4
3587	LOAD	Y	701	806	0.00	40	10.69	36	GLOB	UNIF	WV	0 4
3588	LOAD	Z	701	806	0.00	16	10.69	14	GLOB	UNIF	WV	0 4
3589	LOAD	X	701	806	10.89	47	10.69	42	GLOB	UNIF	WV	0 4
3590	LOAD	Y	701	806	10.89	36	10.69	33	GLOB	UNIF	WV	0 4
3591	LOAD	Z	701	806	10.89	14	10.69	13	GLOB	UNIF	WV	0 4
3592	LOAD	X	701	806	21.78	42	10.69	36	GLOB	UNIF	WV	0 4

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   3593  LOAD Y  701 806  21.78     33  10.89    29                GLOB UNIF    WV 0 4
   3594  LOAD Z  701 806  21.78     13  10.89    12                GLOB UNIF    WV 0 4
   3595  LOAD X  701 806  32.67     38  10.89    33                GLOB UNIF    WV 0 4
   3596  LOAD Y  701 806  32.67     29  10.89    26                GLOB UNIF    WV 0 4
   3597  LOAD Z  701 806  32.67     12  10.89    11                GLOB UNIF    WV 0 4
   3598  LOAD X  701 806  43.56     33  10.89    31                GLOB UNIF    WV 0 4
   3599  LOAD Y  701 806  43.56     26  10.89    25                GLOB UNIF    WV 0 4
   3600  LOAD Z  701 806  43.56     11  10.89    11                GLOB UNIF    WV 0 4
   3601  LOAD X  703 801   0.00     12  10.89    11                GLOB UNIF    WV 0 4
   3602  LOAD Y  703 801   0.00     65  10.89    59                GLOB UNIF    WV 0 4
   3603  LOAD Z  703 801   0.00     09  10.89    09                GLOB UNIF    WV 0 4
   3604  LOAD X  703 801  10.89     11  10.89    10                GLOB UNIF    WV 0 4
   3605  LOAD Y  703 801  10.89     59  10.89    55                GLOB UNIF    WV 0 4
   3606  LOAD Z  703 801  10.89     09  10.89    08                GLOB UNIF    WV 0 4
   3607  LOAD X  703 801  21.78     10  10.89    10                GLOB UNIF    WV 0 4
   3608  LOAD Y  703 801  21.78     55  10.89    50                GLOB UNIF    WV 0 4
   3609  LOAD Z  703 801  21.78     08  10.89    08                GLOB UNIF    WV 0 4
   3610  LOAD X  703 801  32.66     10  10.89    09                GLOB UNIF    WV 0 4
   3611  LOAD Y  703 801  32.66     50  10.89    45                GLOB UNIF    WV 0 4
   3612  LOAD Z  703 801  32.66     08  10.89    08                GLOB UNIF    WV 0 4
   3613  LOAD X  703 801  43.55     09  10.89    09                GLOB UNIF    WV 0 4
   3614  LOAD Y  703 801  43.55     45  10.89    43                GLOB UNIF    WV 0 4
   3615  LOAD Z  703 801  43.55     08  10.89    08                GLOB UNIF    WV 0 4
   3616  LOAD X  706 803   0.00     13  10.89    13                GLOB UNIF    WV 0 4
   3617  LOAD Y  706 803   0.00     29  10.89    28                GLOB UNIF    WV 0 4
   3618  LOAD Z  706 803   0.00-    39  10.89-   38                GLOB UNIF    WV 0 4
   3619  LOAD X  706 803  10.89     13  10.89    12                GLOB UNIF    WV 0 4
   3620  LOAD Y  706 803  10.89     26  10.89    26                GLOB UNIF    WV 0 4
   3621  LOAD Z  706 803  10.89-    38  10.89-   35                GLOB UNIF    WV 0 4
   3622  LOAD X  706 803  21.77     12  10.89    11                GLOB UNIF    WV 0 4
   3623  LOAD Y  706 803  21.77     26  10.89    23                GLOB UNIF    WV 0 4
   3624  LOAD Z  706 803  21.77-    35  10.89-   32                GLOB UNIF    WV 0 4
   3625  LOAD X  706 803  32.66     11  10.89    09                GLOB UNIF    WV 0 4
   3626  LOAD Y  706 803  32.66     23  10.89    20                GLOB UNIF    WV 0 4
   3627  LOAD Z  706 803  32.66-    32  10.89-   27                GLOB UNIF    WV 0 4
   3628  LOAD X  706 803  43.55     09  10.89    08                GLOB UNIF    WV 0 4
   3629  LOAD Y  706 803  43.55     20  10.89    17                GLOB UNIF    WV 0 4
   3630  LOAD Z  706 803  43.55-    27  10.89-   24                GLOB UNIF    WV 0 4
   3631  LOAD Y  801 802   0.00     34   4.73    33                GLOB UNIF    WV 0 4
   3632  LOAD Z  801 802   0.00-    02   4.73-   02                GLOB UNIF    WV 0 4
   3633  LOAD Y  801 802   4.73     33   4.73    33                GLOB UNIF    WV 0 4
   3634  LOAD Z  801 802   4.73-    02   4.73-   02                GLOB UNIF    WV 0 4
   3635  LOAD Y  801 802   9.46     33   4.73    33                GLOB UNIF    WV 0 4
   3636  LOAD Z  801 802   9.46-    02   4.73-   03                GLOB UNIF    WV 0 4
   3637  LOAD Y  801 802  14.20     33   4.73    33                GLOB UNIF    WV 0 4
   3638  LOAD Z  801 802  14.20-    03   4.73-   03                GLOB UNIF    WV 0 4
   3639  LOAD Y  801 802  18.93     33   4.73    33                GLOB UNIF    WV 0 4
   3640  LOAD Z  801 802  18.93-    03   4.73-   03                GLOB UNIF    WV 0 4
   3641  LOAD Y  802 803   0.00     33   4.73    33                GLOB UNIF    WV 0 4
   3642  LOAD Z  802 803   0.00-    03   4.73-   03                GLOB UNIF    WV 0 4
```

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
3643	LOAD	Y	802	803	4.73	33	4.73	32	GLOB	UNIF	WV	0	4
3644	LOAD	Z	802	803	4.73-	03	4.73-	03	GLOB	UNIF	WV	0	4
3645	LOAD	Y	802	803	9.46	32	4.73	32	GLOB	UNIF	WV	0	4
3646	LOAD	Z	802	803	9.46-	03	4.73-	03	GLOB	UNIF	WV	0	4
3647	LOAD	Y	802	803	14.20	32	4.73	32	GLOB	UNIF	WV	0	4
3648	LOAD	Z	802	803	14.20-	03	4.73-	03	GLOB	UNIF	WV	0	4
3649	LOAD	Y	802	803	18.93	32	4.73	31	GLOB	UNIF	WV	0	4
3650	LOAD	Z	802	803	18.93-	03	4.73-	03	GLOB	UNIF	WV	0	4
3651	LOAD	Z	803	805	0.00-	03	4.73-	03	GLOB	UNIF	WV	0	4
3652	LOAD	Z	803	805	4.73-	03	4.73-	03	GLOB	UNIF	WV	0	4
3653	LOAD	Z	803	805	9.46-	03	4.73-	03	GLOB	UNIF	WV	0	4
3654	LOAD	Z	803	805	14.20-	03	4.73-	02	GLOB	UNIF	WV	0	4
3655	LOAD	Z	803	805	18.93-	02	4.73-	02	GLOB	UNIF	WV	0	4
3656	LOAD	Z	805	806	0.00-	02	4.73-	02	GLOB	UNIF	WV	0	4
3657	LOAD	Z	805	806	4.73-	02	4.73-	02	GLOB	UNIF	WV	0	4
3658	LOAD	Z	805	806	9.47-	02	4.73-	02	GLOB	UNIF	WV	0	4
3659	LOAD	Z	805	806	14.20-	02	4.73-	02	GLOB	UNIF	WV	0	4
3660	LOAD	Z	805	806	18.93-	02	4.73-	02	GLOB	UNIF	WV	0	4
3661	LOAD	X	801	804	0.00	29	4.73	29	GLOB	UNIF	WV	0	4
3662	LOAD	Y	801	804	0.00	17	4.73	17	GLOB	UNIF	WV	0	4
3663	LOAD	Z	801	804	0.00-	02	4.73-	02	GLOB	UNIF	WV	0	4
3664	LOAD	X	801	804	4.73	29	4.73	29	GLOB	UNIF	WV	0	4
3665	LOAD	Y	801	804	4.73	17	4.73	17	GLOB	UNIF	WV	0	4
3666	LOAD	Z	801	804	4.73-	02	4.73-	02	GLOB	UNIF	WV	0	4
3667	LOAD	X	801	804	9.46	29	4.73	29	GLOB	UNIF	WV	0	4
3668	LOAD	Y	801	804	9.46	17	4.73	17	GLOB	UNIF	WV	0	4
3669	LOAD	Z	801	804	9.46-	02	4.73-	02	GLOB	UNIF	WV	0	4
3670	LOAD	X	801	804	14.20	29	4.73	29	GLOB	UNIF	WV	0	4
3671	LOAD	Y	801	804	14.20	17	4.73	17	GLOB	UNIF	WV	0	4
3672	LOAD	Z	801	804	14.20-	02	4.73-	02	GLOB	UNIF	WV	0	4
3673	LOAD	X	801	804	18.93	29	4.73	28	GLOB	UNIF	WV	0	4
3674	LOAD	Y	801	804	18.93	17	4.73	16	GLOB	UNIF	WV	0	4
3675	LOAD	Z	801	804	18.93-	02	4.73-	02	GLOB	UNIF	WV	0	4
3676	LOAD	X	804	806	0.00	28	4.73	28	GLOB	UNIF	WV	0	4
3677	LOAD	Y	804	806	0.00	16	4.73	16	GLOB	UNIF	WV	0	4
3678	LOAD	Z	804	806	0.00-	02	4.73-	02	GLOB	UNIF	WV	0	4
3679	LOAD	X	804	806	4.73	28	4.73	28	GLOB	UNIF	WV	0	4
3680	LOAD	Y	804	806	4.73	16	4.73	16	GLOB	UNIF	WV	0	4
3681	LOAD	Z	804	806	4.73-	02	4.73-	02	GLOB	UNIF	WV	0	4
3682	LOAD	X	804	806	9.47	28	4.73	28	GLOB	UNIF	WV	0	4
3683	LOAD	Y	804	806	9.47	16	4.73	16	GLOB	UNIF	WV	0	4
3684	LOAD	Z	804	806	9.47-	02	4.73-	02	GLOB	UNIF	WV	0	4
3685	LOAD	X	804	806	14.20	28	4.73	28	GLOB	UNIF	WV	0	4
3686	LOAD	Y	804	806	14.20	16	4.73	16	GLOB	UNIF	WV	0	4
3687	LOAD	Z	804	806	14.20-	02	4.73-	02	GLOB	UNIF	WV	0	4
3688	LOAD	X	804	806	18.93	28	4.73	28	GLOB	UNIF	WV	0	4
3689	LOAD	Y	804	806	18.93	16	4.73	16	GLOB	UNIF	WV	0	4
3690	LOAD	Z	804	806	18.93-	02	4.73-	02	GLOB	UNIF	WV	0	4
3691	LOAD	Z	802	804	0.00-	1	4.73-	1	GLOB	UNIF	WV	0	4
3692	LOAD	Z	802	804	4.73-	1	4.73-	1	GLOB	UNIF	WV	0	4

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3693	LOAD	Z	802 804	9.46-	1	4.73-	1	GLOB	UNIF	WV	0	4
3694	LOAD	Z	802 804	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	4
3695	LOAD	Z	802 804	18.93-	1	4.73-	1	GLOB	UNIF	WV	0	4
3696	LOAD	X	802 805	0.00	20	4.73	20	GLOB	UNIF	WV	0	4
3697	LOAD	Y	802 805	0.00	12	4.73	12	GLOB	UNIF	WV	0	4
3698	LOAD	Z	802 805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0	4
3699	LOAD	X	802 805	4.73	20	4.73	20	GLOB	UNIF	WV	0	4
3700	LOAD	Y	802 805	4.73	12	4.73	12	GLOB	UNIF	WV	0	4
3701	LOAD	Z	802 805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0	4
3702	LOAD	X	802 805	9.46	20	4.73	20	GLOB	UNIF	WV	0	4
3703	LOAD	Y	802 805	9.46	12	4.73	12	GLOB	UNIF	WV	0	4
3704	LOAD	Z	802 805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0	4
3705	LOAD	X	802 805	14.20	20	4.73	20	GLOB	UNIF	WV	0	4
3706	LOAD	Y	802 805	14.20	12	4.73	12	GLOB	UNIF	WV	0	4
3707	LOAD	Z	802 805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	4
3708	LOAD	X	802 805	18.93	20	4.73	20	GLOB	UNIF	WV	0	4
3709	LOAD	Y	802 805	18.93	12	4.73	12	GLOB	UNIF	WV	0	4
3710	LOAD	Z	802 805	18.93-	1	4.73-	1	GLOB	UNIF	WV	0	4
3711	LOAD	Y	804 805	0.00	23	4.73	23	GLOB	UNIF	WV	0	4
3712	LOAD	Z	804 805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0	4
3713	LOAD	Y	804 805	4.73	23	4.73	23	GLOB	UNIF	WV	0	4
3714	LOAD	Z	804 805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0	4
3715	LOAD	Y	804 805	9.46	23	4.73	23	GLOB	UNIF	WV	0	4
3716	LOAD	Z	804 805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0	4
3717	LOAD	Y	804 805	14.20	23	4.73	23	GLOB	UNIF	WV	0	4
3718	LOAD	Z	804 805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0	4
3719	LOAD	Y	804 805	18.93	23	4.73	24	GLOB	UNIF	WV	0	4
3720	LOAD	Z	804 805	18.93-	1	4.73-	1	GLOB	UNIF	WV	0	4
3721	LOAD	X	8011002	0.00	13	4.15	12	GLOB	UNIF	WV	0	4
3722	LOAD	Y	8011002	0.00	33	4.15	32	GLOB	UNIF	WV	0	4
3723	LOAD	Z	8011002	0.00-	12	4.15-	11	GLOB	UNIF	WV	0	4
3724	LOAD	X	8011002	4.15	12	4.15	12	GLOB	UNIF	WV	0	4
3725	LOAD	Y	8011002	4.15	32	4.15	30	GLOB	UNIF	WV	0	4
3726	LOAD	Z	8011002	4.15-	11	4.15-	11	GLOB	UNIF	WV	0	4
3727	LOAD	X	8011002	8.30	12	4.15	11	GLOB	UNIF	WV	0	4
3728	LOAD	Y	8011002	8.30	30	4.15	29	GLOB	UNIF	WV	0	4
3729	LOAD	Z	8011002	8.30-	11	4.15-	10	GLOB	UNIF	WV	0	4
3730	LOAD	X	8011002	12.46	11	4.15	11	GLOB	UNIF	WV	0	4
3731	LOAD	Y	8011002	12.46	29	4.15	28	GLOB	UNIF	WV	0	4
3732	LOAD	Z	8011002	12.46-	10	4.15-	10	GLOB	UNIF	WV	0	4
3733	LOAD	X	8011002	16.61	11	4.15	10	GLOB	UNIF	WV	0	4
3734	LOAD	Y	8011002	16.61	28	4.15	27	GLOB	UNIF	WV	0	4
3735	LOAD	Z	8011002	16.61-	10	4.15-	09	GLOB	UNIF	WV	0	4
3736	LOAD	X	8011002	20.76	10	4.15	10	GLOB	UNIF	WV	0	4
3737	LOAD	Y	8011002	20.76	27	4.15	26	GLOB	UNIF	WV	0	4
3738	LOAD	Z	8011002	20.76-	09	4.15-	09	GLOB	UNIF	WV	0	4
3739	LOAD	X	8011002	24.91	10	4.15	10	GLOB	UNIF	WV	0	4
3740	LOAD	Y	8011002	24.91	26	4.15	25	GLOB	UNIF	WV	0	4
3741	LOAD	Z	8011002	24.91-	09	4.15-	09	GLOB	UNIF	WV	0	4
3742	LOAD	X	8011002	29.06	10	4.15	07	GLOB	UNIF	WV	0	4

LINE NO.	1	2	3	4	5	6	7	8	9	10	11	12
3743	LOAD	Y	8011002	29.06	25	4.15	18	GLOB	UNIF	WV	0	4
3744	LOAD	Z	8011002	29.06-	09	4.15-	06	GLOB	UNIF	WV	0	4
3745	LOAD	X	8011002	33.21	07	4.15	04	GLOB	UNIF	WV	0	4
3746	LOAD	Y	8011002	33.21	18	4.15	10	GLOB	UNIF	WV	0	4
3747	LOAD	Z	8011002	33.21-	06	4.15-	04	GLOB	UNIF	WV	0	4
3748	LOAD	X	8011002	37.37	04	4.15	1	GLOB	UNIF	WV	0	4
3749	LOAD	Y	8011002	37.37	10	4.15	02	GLOB	UNIF	WV	0	4
3750	LOAD	Z	8011002	37.37-	04	4.15		GLOB	UNIF	WV	0	4
3751	LOAD	X	8031002	0.00	12	4.15	12	GLOB	UNIF	WV	0	4
3752	LOAD	Y	8031002	0.00	32	4.15	31	GLOB	UNIF	WV	0	4
3753	LOAD	Z	8031002	0.00	06	4.15	06	GLOB	UNIF	WV	0	4
3754	LOAD	X	8031002	4.15	12	4.15	12	GLOB	UNIF	WV	0	4
3755	LOAD	Y	8031002	4.15	31	4.15	30	GLOB	UNIF	WV	0	4
3756	LOAD	Z	8031002	4.15	06	4.15	06	GLOB	UNIF	WV	0	4
3757	LOAD	X	8031002	8.30	12	4.15	11	GLOB	UNIF	WV	0	4
3758	LOAD	Y	8031002	8.30	30	4.15	29	GLOB	UNIF	WV	0	4
3759	LOAD	Z	8031002	8.30	06	4.15	05	GLOB	UNIF	WV	0	4
3760	LOAD	X	8031002	12.46	11	4.15	11	GLOB	UNIF	WV	0	4
3761	LOAD	Y	8031002	12.46	29	4.15	28	GLOB	UNIF	WV	0	4
3762	LOAD	Z	8031002	12.46	05	4.15	05	GLOB	UNIF	WV	0	4
3763	LOAD	X	8031002	16.61	11	4.15	11	GLOB	UNIF	WV	0	4
3764	LOAD	Y	8031002	16.61	28	4.15	27	GLOB	UNIF	WV	0	4
3765	LOAD	Z	8031002	16.61	05	4.15	05	GLOB	UNIF	WV	0	4
3766	LOAD	X	8031002	20.76	11	4.15	11	GLOB	UNIF	WV	0	4
3767	LOAD	Y	8031002	20.76	27	4.15	27	GLOB	UNIF	WV	0	4
3768	LOAD	Z	8031002	20.76	05	4.15	05	GLOB	UNIF	WV	0	4
3769	LOAD	X	8031002	24.91	11	4.15	11	GLOB	UNIF	WV	0	4
3770	LOAD	Y	8031002	24.91	27	4.15	26	GLOB	UNIF	WV	0	4
3771	LOAD	Z	8031002	24.91	05	4.15	05	GLOB	UNIF	WV	0	4
3772	LOAD	X	8031002	29.06	11	4.15	05	GLOB	UNIF	WV	0	4
3773	LOAD	Y	8031002	29.06	26	4.15	18	GLOB	UNIF	WV	0	4
3774	LOAD	Z	8031002	29.06	05	4.15	02	GLOB	UNIF	WV	0	4
3775	LOAD	X	8031002	33.21	05	4.15	03	GLOB	UNIF	WV	0	4
3776	LOAD	Y	8031002	33.21	18	4.15	10	GLOB	UNIF	WV	0	4
3777	LOAD	Z	8031002	33.21	02	4.15	1	GLOB	UNIF	WV	0	4
3778	LOAD	X	8031002	37.37	03	4.15	1	GLOB	UNIF	WV	0	4
3779	LOAD	Y	8031002	37.37	10	4.15	02	GLOB	UNIF	WV	0	4
3780	LOAD	Z	8031002	37.37	1	4.15		GLOB	UNIF	WV	0	4
3781	LOAD	X	8031005	0.00	13	4.15	13	GLOB	UNIF	WV	0	4
3782	LOAD	Y	8031005	0.00	19	4.15	19	GLOB	UNIF	WV	0	4
3783	LOAD	Z	8031005	0.00	16	4.15	16	GLOB	UNIF	WV	0	4
3784	LOAD	X	8031005	4.15	13	4.15	13	GLOB	UNIF	WV	0	4
3785	LOAD	Y	8031005	4.15	19	4.15	19	GLOB	UNIF	WV	0	4
3786	LOAD	Z	8031005	4.15	16	4.15	15	GLOB	UNIF	WV	0	4
3787	LOAD	X	8031005	8.30	13	4.15	12	GLOB	UNIF	WV	0	4
3788	LOAD	Y	8031005	8.30	19	4.15	18	GLOB	UNIF	WV	0	4
3789	LOAD	Z	8031005	8.30	15	4.15	15	GLOB	UNIF	WV	0	4
3790	LOAD	X	8031005	12.46	12	4.15	12	GLOB	UNIF	WV	0	4
3791	LOAD	Y	8031005	12.46	18	4.15	18	GLOB	UNIF	WV	0	4
3792	LOAD	Z	8031005	12.46	15	4.15	15	GLOB	UNIF	WV	0	4

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3793	LOAD X	8031005	16.61	12	4.15	12	GLOB UNIF	WV 0 4
3794	LOAD Y	8031005	16.61	18	4.15	17	GLOB UNIF	WV 0 4
3795	LOAD Z	8031005	16.61	15	4.15	14	GLOB UNIF	WV 0 4
3796	LOAD X	8031005	20.76	12	4.15	11	GLOB UNIF	WV 0 4
3797	LOAD Y	8031005	20.76	17	4.15	17	GLOB UNIF	WV 0 4
3798	LOAD Z	8031005	20.76	14	4.15	14	GLOB UNIF	WV 0 4
3799	LOAD X	8031005	24.91	11	4.15	11	GLOB UNIF	WV 0 4
3800	LOAD Y	8031005	24.91	17	4.15	17	GLOB UNIF	WV 0 4
3801	LOAD Z	8031005	24.91	14	4.15	14	GLOB UNIF	WV 0 4
3802	LOAD X	8031005	29.06	11	4.15	09	GLOB UNIF	WV 0 4
3803	LOAD Y	8031005	29.06	17	4.15	14	GLOB UNIF	WV 0 4
3804	LOAD Z	8031005	29.06	14	4.15	11	GLOB UNIF	WV 0 4
3805	LOAD X	8031005	33.22	09	4.15	05	GLOB UNIF	WV 0 4
3806	LOAD Y	8031005	33.22	14	4.15	08	GLOB UNIF	WV 0 4
3807	LOAD Z	8031005	33.22	11	4.15	07	GLOB UNIF	WV 0 4
3808	LOAD X	8031005	37.37	05	4.15	1	GLOB UNIF	WV 0 4
3809	LOAD Y	8031005	37.37	08	4.15	02	GLOB UNIF	WV 0 4
3810	LOAD Z	8031005	37.37	07	4.15	1	GLOB UNIF	WV 0 4
3811	LOAD X	8061005	0.00	12	4.15	11	GLOB UNIF	WV 0 4
3812	LOAD Y	8061005	0.00	23	4.15	22	GLOB UNIF	WV 0 4
3813	LOAD Z	8061005	0.00-	18	4.15-	17	GLOB UNIF	WV 0 4
3814	LOAD X	8061005	4.15	11	4.15	11	GLOB UNIF	WV 0 4
3815	LOAD Y	8061005	4.15	22	4.15	21	GLOB UNIF	WV 0 4
3816	LOAD Z	8061005	4.15-	17	4.15-	17	GLOB UNIF	WV 0 4
3817	LOAD X	8061005	8.30	11	4.15	11	GLOB UNIF	WV 0 4
3818	LOAD Y	8061005	8.30	21	4.15	21	GLOB UNIF	WV 0 4
3819	LOAD Z	8061005	8.30-	17	4.15-	16	GLOB UNIF	WV 0 4
3820	LOAD X	8061005	12.46	11	4.15	10	GLOB UNIF	WV 0 4
3821	LOAD Y	8061005	12.46	21	4.15	20	GLOB UNIF	WV 0 4
3822	LOAD Z	8061005	12.46-	16	4.15-	16	GLOB UNIF	WV 0 4
3823	LOAD X	8061005	16.61	10	4.15	10	GLOB UNIF	WV 0 4
3824	LOAD Y	8061005	16.61	20	4.15	20	GLOB UNIF	WV 0 4
3825	LOAD Z	8061005	16.61-	16	4.15-	15	GLOB UNIF	WV 0 4
3826	LOAD X	8061005	20.76	10	4.15	10	GLOB UNIF	WV 0 4
3827	LOAD Y	8061005	20.76	20	4.15	19	GLOB UNIF	WV 0 4
3828	LOAD Z	8061005	20.76-	15	4.15-	15	GLOB UNIF	WV 0 4
3829	LOAD X	8061005	24.91	10	4.15	09	GLOB UNIF	WV 0 4
3830	LOAD Y	8061005	24.91	19	4.15	19	GLOB UNIF	WV 0 4
3831	LOAD Z	8061005	24.91-	15	4.15-	14	GLOB UNIF	WV 0 4
3832	LOAD X	8061005	29.07	09	4.15	06	GLOB UNIF	WV 0 4
3833	LOAD Y	8061005	29.07	19	4.15	12	GLOB UNIF	WV 0 4
3834	LOAD Z	8061005	29.07-	14	4.15-	09	GLOB UNIF	WV 0 4
3835	LOAD X	8061005	33.22	06	4.15	03	GLOB UNIF	WV 0 4
3836	LOAD Y	8061005	33.22	12	4.15	07	GLOB UNIF	WV 0 4
3837	LOAD Z	8061005	33.22-	09	4.15-	05	GLOB UNIF	WV 0 4
3838	LOAD X	8061005	37.37	03	4.15	1	GLOB UNIF	WV 0 4
3839	LOAD Y	8061005	37.37	07	4.15	02	GLOB UNIF	WV 0 4
3840	LOAD Z	8061005	37.37-	05	4.15-	1	GLOB UNIF	WV 0 4
3841	LOAD X	8011004	0.00	23	4.15	22	GLOB UNIF	WV 0 4
3842	LOAD Y	8011004	0.00	25	4.15	25	GLOB UNIF	WV 0 4

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
3043	LOAD	Z	8011004	0.00	10	4.15	10	GLOB UNIF	WY	0 4
3044	LOAD	X	8011004	4.15	22	4.15	21	GLOB UNIF	WY	0 4
3045	LOAD	Y	8011004	4.15	25	4.15	24	GLOB UNIF	WY	0 4
3046	LOAD	Z	8011004	4.15	10	4.15	09	GLOB UNIF	WY	0 4
3047	LOAD	X	8011004	8.30	21	4.15	20	GLOB UNIF	WY	0 4
3048	LOAD	Y	8011004	8.30	24	4.15	23	GLOB UNIF	WY	0 4
3049	LOAD	Z	8011004	8.30	09	4.15	09	GLOB UNIF	WY	0 4
3050	LOAD	X	8011004	12.46	20	4.15	19	GLOB UNIF	WY	0 4
3051	LOAD	Y	8011004	12.46	23	4.15	22	GLOB UNIF	WY	0 4
3052	LOAD	Z	8011004	12.46	09	4.15	09	GLOB UNIF	WY	0 4
3053	LOAD	X	8011004	16.61	19	4.15	19	GLOB UNIF	WY	0 4
3054	LOAD	Y	8011004	16.61	22	4.15	21	GLOB UNIF	WY	0 4
3055	LOAD	Z	8011004	16.61	09	4.15	09	GLOB UNIF	WY	0 4
3056	LOAD	X	8011004	20.76	19	4.15	18	GLOB UNIF	WY	0 4
3057	LOAD	Y	8011004	20.76	21	4.15	21	GLOB UNIF	WY	0 4
3058	LOAD	Z	8011004	20.76	09	4.15	08	GLOB UNIF	WY	0 4
3059	LOAD	X	8011004	24.91	18	4.15	18	GLOB UNIF	WY	0 4
3060	LOAD	Y	8011004	24.91	21	4.15	20	GLOB UNIF	WY	0 4
3061	LOAD	Z	8011004	24.91	08	4.15	08	GLOB UNIF	WY	0 4
3062	LOAD	X	8011004	29.06	18	4.15	13	GLOB UNIF	WY	0 4
3063	LOAD	Y	8011004	29.06	20	4.15	15	GLOB UNIF	WY	0 4
3064	LOAD	Z	8011004	29.06	08	4.15	06	GLOB UNIF	WY	0 4
3065	LOAD	X	8011004	33.22	13	4.15	07	GLOB UNIF	WY	0 4
3066	LOAD	Y	8011004	33.22	15	4.15	09	GLOB UNIF	WY	0 4
3067	LOAD	Z	8011004	33.22	06	4.15	03	GLOB UNIF	WY	0 4
3068	LOAD	X	8011004	37.37	07	4.15	02	GLOB UNIF	WY	0 4
3069	LOAD	Y	8011004	37.37	09	4.15	03	GLOB UNIF	WY	0 4
3070	LOAD	Z	8011004	37.37	03	4.15	1	GLOB UNIF	WY	0 4
3071	LOAD	X	8061004	0.00	21	4.61	20	GLOB UNIF	WY	0 4
3072	LOAD	Y	8061004	0.00	29	4.61	28	GLOB UNIF	WY	0 4
3073	LOAD	Z	8061004	0.00-	07	4.61-	07	GLOB UNIF	WY	0 4
3074	LOAD	X	8061004	4.61	20	4.61	19	GLOB UNIF	WY	0 4
3075	LOAD	Y	8061004	4.61	28	4.61	27	GLOB UNIF	WY	0 4
3076	LOAD	Z	8061004	4.61-	07	4.61-	07	GLOB UNIF	WY	0 4
3077	LOAD	X	8061004	9.23	19	4.61	19	GLOB UNIF	WY	0 4
3078	LOAD	Y	8061004	9.23	27	4.61	25	GLOB UNIF	WY	0 4
3079	LOAD	Z	8061004	9.23-	07	4.61-	06	GLOB UNIF	WY	0 4
3080	LOAD	X	8061004	13.84	19	4.61	18	GLOB UNIF	WY	0 4
3081	LOAD	Y	8061004	13.84	25	4.61	24	GLOB UNIF	WY	0 4
3082	LOAD	Z	8061004	13.84-	06	4.61-	06	GLOB UNIF	WY	0 4
3083	LOAD	X	8061004	18.46	18	4.61	18	GLOB UNIF	WY	0 4
3084	LOAD	Y	8061004	18.46	24	4.61	24	GLOB UNIF	WY	0 4
3085	LOAD	Z	8061004	18.46-	06	4.61-	06	GLOB UNIF	WY	0 4
3086	LOAD	X	8061004	23.07	18	4.61	17	GLOB UNIF	WY	0 4
3087	LOAD	Y	8061004	23.07	24	4.61	23	GLOB UNIF	WY	0 4
3088	LOAD	Z	8061004	23.07-	06	4.61-	06	GLOB UNIF	WY	0 4
3089	LOAD	X	8061004	27.68	17	4.61	13	GLOB UNIF	WY	0 4
3090	LOAD	Y	8061004	27.68	23	4.61	18	GLOB UNIF	WY	0 4
3091	LOAD	Z	8061004	27.68-	06	4.61-	04	GLOB UNIF	WY	0 4
3092	LOAD	X	8061004	32.30	13	4.61	08	GLOB UNIF	WY	0 4

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
3893	LOAD	Y	8061004	32.30	18	4.61	10	GLOB UNIF	WV 0 4
3894	LOAD	Z	8061004	32.30-	04	4.61-	03	GLOB UNIF	WV 0 4
3895	LOAD	X	8061004	36.91	08	4.61	02	GLOB UNIF	WV 0 4
3896	LOAD	Y	8061004	36.91	10	4.61	03	GLOB UNIF	WV 0 4
3897	LOAD	Z	8061004	36.91-	03	4.61-	1	GLOB UNIF	WV 0 4
3898	LOAD	Y	10011002	0.00	03	5.71	03	GLOB UNIF	WV 0 4
3899	LOAD	Y	10011002	5.71	03	5.71	03	GLOB UNIF	WV 0 4
3900	LOAD	Y	10011002	11.43	03	5.71	02	GLOB UNIF	WV 0 4
3901	LOAD	Y	10011002	17.14	02	5.71	02	GLOB UNIF	WV 0 4
3902	LOAD	Y	10011002	22.86	02	5.71	02	GLOB UNIF	WV 0 4
3903	LOAD	Y	10021003	0.00	02	5.71	1	GLOB UNIF	WV 0 4
3904	LOAD	Y	10021003	5.71	1	5.71	1	GLOB UNIF	WV 0 4
3905	LOAD	Y	10021003	11.43	1	5.71	1	GLOB UNIF	WV 0 4
3906	LOAD	Y	10021003	17.14	1	5.71	1	GLOB UNIF	WV 0 4
3907	LOAD	Y	10021003	22.86	1	5.71		GLOB UNIF	WV 0 4
3908	LOAD	X	10011004	0.00	03	5.71	03	GLOB UNIF	WV 0 4
3909	LOAD	Y	10011004	0.00	02	5.71	02	GLOB UNIF	WV 0 4
3910	LOAD	X	10011004	5.71	03	5.71	03	GLOB UNIF	WV 0 4
3911	LOAD	Y	10011004	5.71	02	5.71	02	GLOB UNIF	WV 0 4
3912	LOAD	X	10011004	11.43	03	5.71	03	GLOB UNIF	WV 0 4
3913	LOAD	Y	10011004	11.43	02	5.71	02	GLOB UNIF	WV 0 4
3914	LOAD	X	10011004	17.14	03	5.71	03	GLOB UNIF	WV 0 4
3915	LOAD	Y	10011004	17.14	02	5.71	02	GLOB UNIF	WV 0 4
3916	LOAD	X	10011004	22.85	03	5.71	03	GLOB UNIF	WV 0 4
3917	LOAD	Y	10011004	22.85	02	5.71	02	GLOB UNIF	WV 0 4
3918	LOAD	X	10041006	0.00	03	5.71	04	GLOB UNIF	WV 0 4
3919	LOAD	Y	10041006	0.00	02	5.71	02	GLOB UNIF	WV 0 4
3920	LOAD	X	10041006	5.71	04	5.71	04	GLOB UNIF	WV 0 4
3921	LOAD	Y	10041006	5.71	02	5.71	02	GLOB UNIF	WV 0 4
3922	LOAD	X	10041006	11.43	04	5.71	04	GLOB UNIF	WV 0 4
3923	LOAD	Y	10041006	11.43	02	5.71	02	GLOB UNIF	WV 0 4
3924	LOAD	X	10041006	17.14	04	5.71	04	GLOB UNIF	WV 0 4
3925	LOAD	Y	10041006	17.14	02	5.71	02	GLOB UNIF	WV 0 4
3926	LOAD	X	10041006	22.86	04	5.71	04	GLOB UNIF	WV 0 4
3927	LOAD	Y	10041006	22.86	02	5.71	02	GLOB UNIF	WV 0 4
3928	LOAD	X	10021005	0.00	1	5.71	1	GLOB UNIF	WV 0 4
3929	LOAD	Y	10021005	0.00	1	5.71	1	GLOB UNIF	WV 0 4
3930	LOAD	X	10021005	5.71	1	5.71	1	GLOB UNIF	WV 0 4
3931	LOAD	Y	10021005	5.71	1	5.71	1	GLOB UNIF	WV 0 4
3932	LOAD	X	10021005	11.43	1	5.71	1	GLOB UNIF	WV 0 4
3933	LOAD	Y	10021005	11.43	1	5.71	1	GLOB UNIF	WV 0 4
3934	LOAD	X	10021005	17.14	1	5.71	1	GLOB UNIF	WV 0 4
3935	LOAD	Y	10021005	17.14	1	5.71	1	GLOB UNIF	WV 0 4
3936	LOAD	X	10021005	22.86	1	5.71	1	GLOB UNIF	WV 0 4
3937	LOAD	Y	10021005	22.86	1	5.71	1	GLOB UNIF	WV 0 4
3938	LOAD	Y	10041005	0.00	02	5.72	02	GLOB UNIF	WV 0 4
3939	LOAD	Y	10041005	5.72	02	5.72	02	GLOB UNIF	WV 0 4
3940	LOAD	Y	10041005	11.43	02	5.72	02	GLOB UNIF	WV 0 4
3941	LOAD	Y	10041005	17.15	02	5.72	02	GLOB UNIF	WV 0 4
3942	LOAD	Y	10041005	22.86	02	5.72	02	GLOB UNIF	WV 0 4

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

3943	LOAD	X	201	301	7.90	67	1.42	80	GLOB	UNIF	WV	0	4
3944	LOAD	Y	201	301	7.90	116	1.42	139	GLOB	UNIF	WV	0	4
3945	LOAD	X	201	301	9.32	80	1.42	94	GLOB	UNIF	WV	0	4
3946	LOAD	Y	201	301	9.32	139	1.42	163	GLOB	UNIF	WV	0	4
3947	LOAD	X	201	301	10.74	94	1.42	100	GLOB	UNIF	WV	0	4
3948	LOAD	Y	201	301	10.74	163	1.42	173	GLOB	UNIF	WV	0	4
3949	LOAD	X	201	301	12.16	100	1.42	104	GLOB	UNIF	WV	0	4
3950	LOAD	Y	201	301	12.16	173	1.42	180	GLOB	UNIF	WV	0	4
3951	LOAD	X	201	301	13.58	104	1.42	108	GLOB	UNIF	WV	0	4
3952	LOAD	Y	201	301	13.58	180	1.42	187	GLOB	UNIF	WV	0	4
3953	LOAD	X	203	303	5.64	41	1.67	54	GLOB	UNIF	WV	0	4
3954	LOAD	Y	203	303	5.64	71	1.67	94	GLOB	UNIF	WV	0	4
3955	LOAD	X	203	303	7.52	54	1.67	68	GLOB	UNIF	WV	0	4
3956	LOAD	Y	203	303	7.52	94	1.67	118	GLOB	UNIF	WV	0	4
3957	LOAD	X	203	303	9.39	68	1.67	81	GLOB	UNIF	WV	0	4
3958	LOAD	Y	203	303	9.39	118	1.67	140	GLOB	UNIF	WV	0	4
3959	LOAD	X	203	303	11.26	81	1.67	86	GLOB	UNIF	WV	0	4
3960	LOAD	Y	203	303	11.26	140	1.67	152	GLOB	UNIF	WV	0	4
3961	LOAD	X	203	303	13.13	86	1.67	94	GLOB	UNIF	WV	0	4
3962	LOAD	Y	203	303	13.13	152	1.67	164	GLOB	UNIF	WV	0	4
3963	LOAD	X	301	401	0.00	106	5.70	124	GLOB	UNIF	WV	0	4
3964	LOAD	Y	301	401	0.00	187	5.70	215	GLOB	UNIF	WV	0	4
3965	LOAD	X	301	401	5.70	124	5.70	127	GLOB	UNIF	WV	0	4
3966	LOAD	Y	301	401	5.70	215	5.70	219	GLOB	UNIF	WV	0	4
3967	LOAD	X	301	401	11.40	127	5.70	123	GLOB	UNIF	WV	0	4
3968	LOAD	Y	301	401	11.40	219	5.70	213	GLOB	UNIF	WV	0	4
3969	LOAD	X	301	401	17.10	123	5.70	96	GLOB	UNIF	WV	0	4
3970	LOAD	Y	301	401	17.10	213	5.70	167	GLOB	UNIF	WV	0	4
3971	LOAD	X	301	401	22.80	96	5.70	77	GLOB	UNIF	WV	0	4
3972	LOAD	Y	301	401	22.80	167	5.70	133	GLOB	UNIF	WV	0	4
3973	LOAD	X	303	403	0.00	94	5.70	115	GLOB	UNIF	WV	0	4
3974	LOAD	Y	303	403	0.00	164	5.70	199	GLOB	UNIF	WV	0	4
3975	LOAD	X	303	403	5.70	115	5.70	115	GLOB	UNIF	WV	0	4
3976	LOAD	Y	303	403	5.70	199	5.70	199	GLOB	UNIF	WV	0	4
3977	LOAD	X	303	403	11.40	115	5.70	109	GLOB	UNIF	WV	0	4
3978	LOAD	Y	303	403	11.40	199	5.70	189	GLOB	UNIF	WV	0	4
3979	LOAD	X	303	403	17.10	109	5.70	85	GLOB	UNIF	WV	0	4
3980	LOAD	Y	303	403	17.10	189	5.70	148	GLOB	UNIF	WV	0	4
3981	LOAD	X	303	403	22.80	85	5.70	58	GLOB	UNIF	WV	0	4
3982	LOAD	Y	303	403	22.80	148	5.70	118	GLOB	UNIF	WV	0	4
3983	LOAD	X	306	406	1.52	37	4.50	98	GLOB	UNIF	WV	0	4
3984	LOAD	Y	306	406	1.52	64	4.50	170	GLOB	UNIF	WV	0	4
3985	LOAD	X	306	406	6.02	98	4.50	108	GLOB	UNIF	WV	0	4
3986	LOAD	Y	306	406	6.02	170	4.50	187	GLOB	UNIF	WV	0	4
3987	LOAD	X	306	406	10.51	108	4.50	117	GLOB	UNIF	WV	0	4
3988	LOAD	Y	306	406	10.51	187	4.50	203	GLOB	UNIF	WV	0	4
3989	LOAD	X	306	406	15.01	117	4.50	106	GLOB	UNIF	WV	0	4
3990	LOAD	Y	306	406	15.01	203	4.50	183	GLOB	UNIF	WV	0	4
3991	LOAD	X	306	406	19.51	106	4.50	89	GLOB	UNIF	WV	0	4
3992	LOAD	Y	306	406	19.51	183	4.50	154	GLOB	UNIF	WV	0	4

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  3993  LOAD X  306 406   24.00    89   4.50    77             GLOB UNIF     WV 0 4
  3994  LOAD Y  306 406   24.00   154   4.50   133             GLOB UNIF     WV 0 4
  3995  LOAD X  401 501    0.00   117    .91   114             GLOB UNIF     WV 0 4
  3996  LOAD Y  401 501    0.00   231    .91   227             GLOB UNIF     WV 0 4
  3997  LOAD Z  401 501    0.00-   03    .91-   03             GLOB UNIF     WV 0 4
  3998  LOAD X  401 501     .91   114    .91   112             GLOB UNIF     WV 0 4
  3999  LOAD Y  401 501     .91   227    .91   222             GLOB UNIF     WV 0 4
  4000  LOAD Z  401 501     .91-   03    .91-   03             GLOB UNIF     WV 0 4
  4001  LOAD X  401 501    1.83   112    .91   109             GLOB UNIF     WV 0 4
  4002  LOAD Y  401 501    1.83   222    .91   217             GLOB UNIF     WV 0 4
  4003  LOAD Z  401 501    1.83-   03    .91-   03             GLOB UNIF     WV 0 4
  4004  LOAD X  401 501    2.74   109    .91   106             GLOB UNIF     WV 0 4
  4005  LOAD Y  401 501    2.74   217    .91   212             GLOB UNIF     WV 0 4
  4006  LOAD Z  401 501    2.74-   03    .91-   02             GLOB UNIF     WV 0 4
  4007  LOAD X  401 501    3.65   106    .91   104             GLOB UNIF     WV 0 4
  4008  LOAD Y  401 501    3.65   212    .91   207             GLOB UNIF     WV 0 4
  4009  LOAD Z  401 501    3.65-   02    .91-   02             GLOB UNIF     WV 0 4
  4010  LOAD X  403 503    0.00   115    .91   113             GLOB UNIF     WV 0 4
  4011  LOAD Y  403 503    0.00   188    .91   184             GLOB UNIF     WV 0 4
  4012  LOAD Z  403 503    0.00-   32    .91-   32             GLOB UNIF     WV 0 4
  4013  LOAD X  403 503     .91   113    .91   110             GLOB UNIF     WV 0 4
  4014  LOAD Y  403 503     .91   184    .91   180             GLOB UNIF     WV 0 4
  4015  LOAD Z  403 503     .91-   32    .91-   31             GLOB UNIF     WV 0 4
  4016  LOAD X  403 503    1.83   110    .91   108             GLOB UNIF     WV 0 4
  4017  LOAD Y  403 503    1.83   180    .91   176             GLOB UNIF     WV 0 4
  4018  LOAD Z  403 503    1.83-   31    .91-   30             GLOB UNIF     WV 0 4
  4019  LOAD X  403 503    2.74   108    .91   105             GLOB UNIF     WV 0 4
  4020  LOAD Y  403 503    2.74   176    .91   172             GLOB UNIF     WV 0 4
  4021  LOAD Z  403 503    2.74-   30    .91-   30             GLOB UNIF     WV 0 4
  4022  LOAD X  403 503    3.65   105    .91   103             GLOB UNIF     WV 0 4
  4023  LOAD Y  403 503    3.65   172    .91   168             GLOB UNIF     WV 0 4
  4024  LOAD Z  403 503    3.65-   30    .91-   29             GLOB UNIF     WV 0 4
  4025  LOAD X  406 506    0.00   136    .91   134             GLOB UNIF     WV 0 4
  4026  LOAD Y  406 506    0.00   221    .91   216             GLOB UNIF     WV 0 4
  4027  LOAD Z  406 506    0.00    37    .91    36             GLOB UNIF     WV 0 4
  4028  LOAD X  406 506     .91   134    .91   131             GLOB UNIF     WV 0 4
  4029  LOAD Y  406 506     .91   216    .91   212             GLOB UNIF     WV 0 4
  4030  LOAD Z  406 506     .91    36    .91    35             GLOB UNIF     WV 0 4
  4031  LOAD X  406 506    1.82   131    .91   128             GLOB UNIF     WV 0 4
  4032  LOAD Y  406 506    1.82   212    .91   207             GLOB UNIF     WV 0 4
  4033  LOAD Z  406 506    1.82    35    .91    34             GLOB UNIF     WV 0 4
  4034  LOAD X  406 506    2.74   128    .91   125             GLOB UNIF     WV 0 4
  4035  LOAD Y  406 506    2.74   207    .91   202             GLOB UNIF     WV 0 4
  4036  LOAD Z  406 506    2.74    34    .91    34             GLOB UNIF     WV 0 4
  4037  LOAD X  406 506    3.65   125    .91   122             GLOB UNIF     WV 0 4
  4038  LOAD Y  406 506    3.65   202    .91   198             GLOB UNIF     WV 0 4
  4039  LOAD Z  406 506    3.65    34    .91    33             GLOB UNIF     WV 0 4
  4040  LOAD X  501 601    0.00   103   1.22    99             GLOB UNIF     WV 0 4
  4041  LOAD Y  501 601    0.00   205   1.22   198             GLOB UNIF     WV 0 4
  4042  LOAD Z  501 601    0.00-   02   1.22-   02             GLOB UNIF     WV 0 4
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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 4043  LOAD X  501 601   1.22     99   1.22     96              GLOB UNIF   WV 0 4
 4044  LOAD Y  501 601   1.22    198   1.22    192              GLOB UNIF   WV 0 4
 4045  LOAD Z  501 601   1.22-    02   1.22-    02              GLOB UNIF   WV 0 4
 4046  LOAD X  501 601   2.43     96   1.22     93              GLOB UNIF   WV 0 4
 4047  LOAD Y  501 601   2.43    192   1.22    187              GLOB UNIF   WV 0 4
 4048  LOAD Z  501 601   2.43-    02   1.22-    02              GLOB UNIF   WV 0 4
 4049  LOAD X  501 601   3.65     93   1.22     91              GLOB UNIF   WV 0 4
 4050  LOAD Y  501 601   3.65    187   1.22    182              GLOB UNIF   WV 0 4
 4051  LOAD Z  501 601   3.65-    02   1.22-    02              GLOB UNIF   WV 0 4
 4052  LOAD X  501 601   4.87     91   1.22     88              GLOB UNIF   WV 0 4
 4053  LOAD Y  501 601   4.87    182   1.22    178              GLOB UNIF   WV 0 4
 4054  LOAD Z  501 601   4.87-    02   1.22-    02              GLOB UNIF   WV 0 4
 4055  LOAD X  503 603   0.00    102   1.22     98              GLOB UNIF   WV 0 4
 4056  LOAD Y  503 603   0.00    166   1.22    161              GLOB UNIF   WV 0 4
 4057  LOAD Z  503 603   0.00-    28   1.22-    27              GLOB UNIF   WV 0 4
 4058  LOAD X  503 603   1.22     98   1.22     95              GLOB UNIF   WV 0 4
 4059  LOAD Y  503 603   1.22    161   1.22    156              GLOB UNIF   WV 0 4
 4060  LOAD Z  503 603   1.22-    27   1.22-    27              GLOB UNIF   WV 0 4
 4061  LOAD X  503 603   2.43     95   1.22     93              GLOB UNIF   WV 0 4
 4062  LOAD Y  503 603   2.43    156   1.22    151              GLOB UNIF   WV 0 4
 4063  LOAD Z  503 603   2.43-    27   1.22-    26              GLOB UNIF   WV 0 4
 4064  LOAD X  503 603   3.65     93   1.22     90              GLOB UNIF   WV 0 4
 4065  LOAD Y  503 603   3.65    151   1.22    147              GLOB UNIF   WV 0 4
 4066  LOAD Z  503 603   3.65-    26   1.22-    25              GLOB UNIF   WV 0 4
 4067  LOAD X  503 603   4.87     90   1.22     88              GLOB UNIF   WV 0 4
 4068  LOAD Y  503 603   4.87    147   1.22    143              GLOB UNIF   WV 0 4
 4069  LOAD Z  503 603   4.87-    25   1.22-    25              GLOB UNIF   WV 0 4
 4070  LOAD X  506 606   0.00    121   1.22    117              GLOB UNIF   WV 0 4
 4071  LOAD Y  506 606   0.00    195   1.22    189              GLOB UNIF   WV 0 4
 4072  LOAD Z  506 606   0.00     32   1.22     31              GLOB UNIF   WV 0 4
 4073  LOAD X  506 606   1.22    117   1.22    113              GLOB UNIF   WV 0 4
 4074  LOAD Y  506 606   1.22    189   1.22    183              GLOB UNIF   WV 0 4
 4075  LOAD Z  506 606   1.22     31   1.22     30              GLOB UNIF   WV 0 4
 4076  LOAD X  506 606   2.43    113   1.22    110              GLOB UNIF   WV 0 4
 4077  LOAD Y  506 606   2.43    183   1.22    178              GLOB UNIF   WV 0 4
 4078  LOAD Z  506 606   2.43     30   1.22     30              GLOB UNIF   WV 0 4
 4079  LOAD X  506 606   3.65    110   1.22    108              GLOB UNIF   WV 0 4
 4080  LOAD Y  506 606   3.65    178   1.22    174              GLOB UNIF   WV 0 4
 4081  LOAD Z  506 606   3.65     30   1.22     29              GLOB UNIF   WV 0 4
 4082  LOAD X  506 606   4.87    108   1.22    105              GLOB UNIF   WV 0 4
 4083  LOAD Y  506 606   4.87    174   1.22    170              GLOB UNIF   WV 0 4
 4084  LOAD Z  506 606   4.87     29   1.22     26              GLOB UNIF   WV 0 4
 4085  LOAD X  601 631   0.00     88   1.22     86              GLOB UNIF   WV 0 4
 4086  LOAD Y  601 631   0.00    178   1.22    173              GLOB UNIF   WV 0 4
 4087  LOAD Z  601 631   0.00-    02   1.22-    02              GLOB UNIF   WV 0 4
 4088  LOAD X  601 631   1.22     86   1.22     84              GLOB UNIF   WV 0 4
 4089  LOAD Y  601 631   1.22    173   1.22    169              GLOB UNIF   WV 0 4
 4090  LOAD Z  601 631   1.22-    02   1.22-    02              GLOB UNIF   WV 0 4
 4091  LOAD X  601 631   2.43     84   1.22     81              GLOB UNIF   WV 0 4
 4092  LOAD Y  601 631   2.43    169   1.22    165              GLOB UNIF   WV 0 4
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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0												
4093	LOAD Z	601	631	2.43-	02	1.22-	02	GLOB	UNIF	WV	0	4
4094	LOAD X	601	631	3.65	81	1.22	79	GLOB	UNIF	WV	0	4
4095	LOAD Y	601	631	3.65	165	1.22	160	GLOB	UNIF	WV	0	4
4096	LOAD Z	601	631	3.65-	02	1.22-	02	GLOB	UNIF	WV	0	4
4097	LOAD X	601	631	4.87	79	1.22	77	GLOB	UNIF	WV	0	4
4098	LOAD Y	601	631	4.87	160	1.22	156	GLOB	UNIF	WV	0	4
4099	LOAD Z	601	631	4.87-	02	1.22-	02	GLOB	UNIF	WV	0	4
4100	LOAD X	603	633	0.00	88	1.22	86	GLOB	UNIF	WV	0	4
4101	LOAD Y	603	633	0.00	143	1.22	139	GLOB	UNIF	WV	0	4
4102	LOAD Z	603	633	0.00-	25	1.22-	24	GLOB	UNIF	WV	0	4
4103	LOAD X	603	633	1.22	86	1.22	83	GLOB	UNIF	WV	0	4
4104	LOAD Y	603	633	1.22	139	1.22	136	GLOB	UNIF	WV	0	4
4105	LOAD Z	603	633	1.22-	24	1.22-	23	GLOB	UNIF	WV	0	4
4106	LOAD X	603	633	2.43	83	1.22	81	GLOB	UNIF	WV	0	4
4107	LOAD Y	603	633	2.43	136	1.22	132	GLOB	UNIF	WV	0	4
4108	LOAD Z	603	633	2.43-	23	1.22-	23	GLOB	UNIF	WV	0	4
4109	LOAD X	603	633	3.65	81	1.22	79	GLOB	UNIF	WV	0	4
4110	LOAD Y	603	633	3.65	132	1.22	128	GLOB	UNIF	WV	0	4
4111	LOAD Z	603	633	3.65-	23	1.22-	22	GLOB	UNIF	WV	0	4
4112	LOAD X	603	633	4.87	79	1.22	77	GLOB	UNIF	WV	0	4
4113	LOAD Y	603	633	4.87	128	1.22	124	GLOB	UNIF	WV	0	4
4114	LOAD Z	603	633	4.87-	22	1.22-	21	GLOB	UNIF	WV	0	4
4115	LOAD X	606	636	0.00	105	1.22	103	GLOB	UNIF	WV	0	4
4116	LOAD Y	606	636	0.00	170	1.22	166	GLOB	UNIF	WV	0	4
4117	LOAD Z	606	636	0.00	28	1.22	26	GLOB	UNIF	WV	0	4
4118	LOAD X	606	636	1.22	103	1.22	101	GLOB	UNIF	WV	0	4
4119	LOAD Y	606	636	1.22	166	1.22	162	GLOB	UNIF	WV	0	4
4120	LOAD Z	606	636	1.22	28	1.22	27	GLOB	UNIF	WV	0	4
4121	LOAD X	606	636	2.43	101	1.22	98	GLOB	UNIF	WV	0	4
4122	LOAD Y	606	636	2.43	162	1.22	158	GLOB	UNIF	WV	0	4
4123	LOAD Z	606	636	2.43	27	1.22	26	GLOB	UNIF	WV	0	4
4124	LOAD X	606	636	3.65	98	1.22	96	GLOB	UNIF	WV	0	4
4125	LOAD Y	606	636	3.65	158	1.22	154	GLOB	UNIF	WV	0	4
4126	LOAD Z	606	636	3.65	26	1.22	26	GLOB	UNIF	WV	0	4
4127	LOAD X	606	636	4.87	96	1.22	93	GLOB	UNIF	WV	0	4
4128	LOAD Y	606	636	4.87	154	1.22	150	GLOB	UNIF	WV	0	4
4129	LOAD Z	606	636	4.87	26	1.22	25	GLOB	UNIF	WV	0	4
4130	LOAD X	651	651	0.00	111	1.22	108	GLOB	UNIF	WV	0	4
4131	LOAD Y	651	651	0.00	238	1.22	232	GLOB	UNIF	WV	0	4
4132	LOAD Z	651	651	0.00-	04	1.22-	04	GLOB	UNIF	WV	0	4
4133	LOAD X	651	651	1.22	108	1.22	106	GLOB	UNIF	WV	0	4
4134	LOAD Y	651	651	1.22	232	1.22	227	GLOB	UNIF	WV	0	4
4135	LOAD Z	651	651	1.22-	04	1.22-	04	GLOB	UNIF	WV	0	4
4136	LOAD X	651	651	2.43	106	1.22	103	GLOB	UNIF	WV	0	4
4137	LOAD Y	651	651	2.43	227	1.22	222	GLOB	UNIF	WV	0	4
4138	LOAD Z	651	651	2.43-	04	1.22-	04	GLOB	UNIF	WV	0	4
4139	LOAD X	651	651	3.65	103	1.22	101	GLOB	UNIF	WV	0	4
4140	LOAD Y	651	651	3.65	222	1.22	218	GLOB	UNIF	WV	0	4
4141	LOAD Z	651	651	3.65-	04	1.22-	04	GLOB	UNIF	WV	0	4
4142	LOAD X	651	651	4.87	101	1.22	99	GLOB	UNIF	WV	0	4

LINE NO.													
4143	LOAD	Y	651	651	4.87	218	1.22	213	GLUB	UNIF	WV	0	4
4144	LOAD	Z	651	651	4.87-	04	1.22-	04	GLUB	UNIF	WV	0	4
4145	LOAD	X	653	653	0.00	112	1.22	109	GLUB	UNIF	WV	0	4
4146	LOAD	Y	653	653	0.00	175	1.22	170	GLUB	UNIF	WV	0	4
4147	LOAD	Z	653	653	0.00-	31	1.22-	30	GLUB	UNIF	WV	0	4
4148	LOAD	X	653	653	1.22	109	1.22	106	GLUB	UNIF	WV	0	4
4149	LOAD	Y	653	653	1.22	170	1.22	165	GLUB	UNIF	WV	0	4
4150	LOAD	Z	653	653	1.22-	30	1.22-	29	GLUB	UNIF	WV	0	4
4151	LOAD	X	653	653	2.43	106	1.22	103	GLUB	UNIF	WV	0	4
4152	LOAD	Y	653	653	2.43	165	1.22	161	GLUB	UNIF	WV	0	4
4153	LOAD	Z	653	653	2.43-	29	1.22-	26	GLUB	UNIF	WV	0	4
4154	LOAD	X	653	653	3.65	103	1.22	101	GLUB	UNIF	WV	0	4
4155	LOAD	Y	653	653	3.65	161	1.22	157	GLUB	UNIF	WV	0	4
4156	LOAD	Z	653	653	3.65-	26	1.22-	27	GLUB	UNIF	WV	0	4
4157	LOAD	X	653	653	4.87	101	1.22	98	GLUB	UNIF	WV	0	4
4158	LOAD	Y	653	653	4.87	157	1.22	153	GLUB	UNIF	WV	0	4
4159	LOAD	Z	653	653	4.87-	27	1.22-	27	GLUB	UNIF	WV	0	4
4160	LOAD	X	656	656	0.00	150	1.22	147	GLUB	UNIF	WV	0	4
4161	LOAD	Y	656	656	0.00	237	1.22	231	GLUB	UNIF	WV	0	4
4162	LOAD	Z	656	656	0.00	39	1.22	38	GLUB	UNIF	WV	0	4
4163	LOAD	X	656	656	1.22	147	1.22	144	GLUB	UNIF	WV	0	4
4164	LOAD	Y	656	656	1.22	231	1.22	226	GLUB	UNIF	WV	0	4
4165	LOAD	Z	656	656	1.22	38	1.22	38	GLUB	UNIF	WV	0	4
4166	LOAD	X	656	656	2.43	144	1.22	141	GLUB	UNIF	WV	0	4
4167	LOAD	Y	656	656	2.43	226	1.22	221	GLUB	UNIF	WV	0	4
4168	LOAD	Z	656	656	2.43	38	1.22	37	GLUB	UNIF	WV	0	4
4169	LOAD	X	656	656	3.65	141	1.22	138	GLUB	UNIF	WV	0	4
4170	LOAD	Y	656	656	3.65	221	1.22	217	GLUB	UNIF	WV	0	4
4171	LOAD	Z	656	656	3.65	37	1.22	36	GLUB	UNIF	WV	0	4
4172	LOAD	X	656	656	4.87	138	1.22	135	GLUB	UNIF	WV	0	4
4173	LOAD	Y	656	656	4.87	217	1.22	212	GLUB	UNIF	WV	0	4
4174	LOAD	Z	656	656	4.87	36	1.22	35	GLUB	UNIF	WV	0	4
4175	LOAD	X	651	701	0.00	99	1.42	96	GLUB	UNIF	WV	0	4
4176	LOAD	Y	651	701	0.00	213	1.42	207	GLUB	UNIF	WV	0	4
4177	LOAD	Z	651	701	0.00-	03	1.42-	03	GLUB	UNIF	WV	0	4
4178	LOAD	X	651	701	1.42	96	1.42	93	GLUB	UNIF	WV	0	4
4179	LOAD	Y	651	701	1.42	207	1.42	202	GLUB	UNIF	WV	0	4
4180	LOAD	Z	651	701	1.42-	03	1.42-	03	GLUB	UNIF	WV	0	4
4181	LOAD	X	651	701	2.84	93	1.42	91	GLUB	UNIF	WV	0	4
4182	LOAD	Y	651	701	2.84	202	1.42	196	GLUB	UNIF	WV	0	4
4183	LOAD	Z	651	701	2.84-	03	1.42-	03	GLUB	UNIF	WV	0	4
4184	LOAD	X	651	701	4.26	91	1.42	88	GLUB	UNIF	WV	0	4
4185	LOAD	Y	651	701	4.26	196	1.42	191	GLUB	UNIF	WV	0	4
4186	LOAD	Z	651	701	4.26-	03	1.42-	03	GLUB	UNIF	WV	0	4
4187	LOAD	X	651	701	5.68	88	1.42	86	GLUB	UNIF	WV	0	4
4188	LOAD	Y	651	701	5.68	191	1.42	187	GLUB	UNIF	WV	0	4
4189	LOAD	Z	651	701	5.68-	03	1.42-	03	GLUB	UNIF	WV	0	4
4190	LOAD	X	653	703	0.00	98	1.42	95	GLUB	UNIF	WV	0	4
4191	LOAD	Y	653	703	0.00	153	1.42	148	GLUB	UNIF	WV	0	4
4192	LOAD	Z	653	703	0.00-	27	1.42-	26	GLUB	UNIF	WV	0	4

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
4193	LOAD	X	653	703	1.42	95	1.42	92	GLOB	UNIF	WV	0	4
4194	LOAD	Y	653	703	1.42	148	1.42	143	GLOB	UNIF	WV	0	4
4195	LOAD	Z	653	703	1.42-	26	1.42-	25	GLOB	UNIF	WV	0	4
4196	LOAD	X	653	703	2.84	92	1.42	89	GLOB	UNIF	WV	0	4
4197	LOAD	Y	653	703	2.84	143	1.42	138	GLOB	UNIF	WV	0	4
4198	LOAD	Z	653	703	2.84-	25	1.42-	24	GLOB	UNIF	WV	0	4
4199	LOAD	X	653	703	4.26	89	1.42	87	GLOB	UNIF	WV	0	4
4200	LOAD	Y	653	703	4.26	138	1.42	134	GLOB	UNIF	WV	0	4
4201	LOAD	Z	653	703	4.26-	24	1.42-	24	GLOB	UNIF	WV	0	4
4202	LOAD	X	653	703	5.68	87	1.42	84	GLOB	UNIF	WV	0	4
4203	LOAD	Y	653	703	5.68	134	1.42	130	GLOB	UNIF	WV	0	4
4204	LOAD	Z	653	703	5.68-	24	1.42-	23	GLOB	UNIF	WV	0	4
4205	LOAD	X	656	706	0.00	135	1.42	131	GLOB	UNIF	WV	0	4
4206	LOAD	Y	656	706	0.00	212	1.42	206	GLOB	UNIF	WV	0	4
4207	LOAD	Z	656	706	0.00	35	1.42	34	GLOB	UNIF	WV	0	4
4208	LOAD	X	656	706	1.42	131	1.42	128	GLOB	UNIF	WV	0	4
4209	LOAD	Y	656	706	1.42	206	1.42	201	GLOB	UNIF	WV	0	4
4210	LOAD	Z	656	706	1.42	34	1.42	34	GLOB	UNIF	WV	0	4
4211	LOAD	X	656	706	2.84	128	1.42	125	GLOB	UNIF	WV	0	4
4212	LOAD	Y	656	706	2.84	201	1.42	195	GLOB	UNIF	WV	0	4
4213	LOAD	Z	656	706	2.84	34	1.42	33	GLOB	UNIF	WV	0	4
4214	LOAD	X	656	706	4.26	125	1.42	121	GLOB	UNIF	WV	0	4
4215	LOAD	Y	656	706	4.26	195	1.42	190	GLOB	UNIF	WV	0	4
4216	LOAD	Z	656	706	4.26	33	1.42	32	GLOB	UNIF	WV	0	4
4217	LOAD	X	656	706	5.68	121	1.42	119	GLOB	UNIF	WV	0	4
4218	LOAD	Y	656	706	5.68	190	1.42	186	GLOB	UNIF	WV	0	4
4219	LOAD	Z	656	706	5.68	32	1.42	31	GLOB	UNIF	WV	0	4
4220	LOAD	X	701	801	0.00	83	6.89	73	GLOB	UNIF	WV	0	4
4221	LOAD	Y	701	801	0.00	176	6.89	156	GLOB	UNIF	WV	0	4
4222	LOAD	Z	701	801	0.00-	03	6.89-	02	GLOB	UNIF	WV	0	4
4223	LOAD	X	701	801	6.89	73	6.89	67	GLOB	UNIF	WV	0	4
4224	LOAD	Y	701	801	6.89	156	6.89	141	GLOB	UNIF	WV	0	4
4225	LOAD	Z	701	801	6.89-	02	6.89-	02	GLOB	UNIF	WV	0	4
4226	LOAD	X	701	801	13.79	67	6.89	61	GLOB	UNIF	WV	0	4
4227	LOAD	Y	701	801	13.79	141	6.89	127	GLOB	UNIF	WV	0	4
4228	LOAD	Z	701	801	13.79-	02	6.89-	02	GLOB	UNIF	WV	0	4
4229	LOAD	X	701	801	20.68	61	6.89	55	GLOB	UNIF	WV	0	4
4230	LOAD	Y	701	801	20.68	127	6.89	113	GLOB	UNIF	WV	0	4
4231	LOAD	Z	701	801	20.68-	02	6.89-	1	GLOB	UNIF	WV	0	4
4232	LOAD	X	701	801	27.57	55	6.89	52	GLOB	UNIF	WV	0	4
4233	LOAD	Y	701	801	27.57	113	6.89	104	GLOB	UNIF	WV	0	4
4234	LOAD	Z	701	801	27.57-	1	6.89-	1	GLOB	UNIF	WV	0	4
4235	LOAD	X	703	803	0.00	81	6.89	70	GLOB	UNIF	WV	0	4
4236	LOAD	Y	703	803	0.00	126	6.89	110	GLOB	UNIF	WV	0	4
4237	LOAD	Z	703	803	0.00-	22	6.89-	19	GLOB	UNIF	WV	0	4
4238	LOAD	X	703	803	6.89	70	6.89	62	GLOB	UNIF	WV	0	4
4239	LOAD	Y	703	803	6.89	110	6.89	98	GLOB	UNIF	WV	0	4
4240	LOAD	Z	703	803	6.89-	19	6.89-	17	GLOB	UNIF	WV	0	4
4241	LOAD	X	703	803	13.79	62	6.89	55	GLOB	UNIF	WV	0	4
4242	LOAD	Y	703	803	13.79	98	6.89	87	GLOB	UNIF	WV	0	4

LINE NO.										
4243	LOAD Z	705 805	13.79-	17	6.89-	15	GLOB	UNIF	WV	0 4
4244	LOAD X	705 805	20.68	55	6.89	46	GLOB	UNIF	WV	0 4
4245	LOAD Y	705 805	20.68	87	6.89	77	GLOB	UNIF	WV	0 4
4246	LOAD Z	705 805	20.68-	15	6.89-	13	GLOB	UNIF	WV	0 4
4247	LOAD X	705 805	27.57	46	6.89	43	GLOB	UNIF	WV	0 4
4248	LOAD Y	705 805	27.57	77	6.89	69	GLOB	UNIF	WV	0 4
4249	LOAD Z	705 805	27.57-	13	6.89-	12	GLOB	UNIF	WV	0 4
4250	LOAD X	706 806	0.00	111	6.89	99	GLOB	UNIF	WV	0 4
4251	LOAD Y	706 806	0.00	174	6.89	156	GLOB	UNIF	WV	0 4
4252	LOAD Z	706 806	0.00	29	6.89	26	GLOB	UNIF	WV	0 4
4253	LOAD X	706 806	6.89	99	6.89	90	GLOB	UNIF	WV	0 4
4254	LOAD Y	706 806	6.89	156	6.89	142	GLOB	UNIF	WV	0 4
4255	LOAD Z	706 806	6.89	26	6.89	24	GLOB	UNIF	WV	0 4
4256	LOAD X	706 806	13.79	90	6.89	82	GLOB	UNIF	WV	0 4
4257	LOAD Y	706 806	13.79	142	6.89	130	GLOB	UNIF	WV	0 4
4258	LOAD Z	706 806	13.79	24	6.89	22	GLOB	UNIF	WV	0 4
4259	LOAD X	706 806	20.68	82	6.89	74	GLOB	UNIF	WV	0 4
4260	LOAD Y	706 806	20.68	130	6.89	118	GLOB	UNIF	WV	0 4
4261	LOAD Z	706 806	20.68	22	6.89	20	GLOB	UNIF	WV	0 4
4262	LOAD X	706 806	27.58	74	6.89	69	GLOB	UNIF	WV	0 4
4263	LOAD Y	706 806	27.58	118	6.89	111	GLOB	UNIF	WV	0 4
4264	LOAD Z	706 806	27.58	20	6.89	18	GLOB	UNIF	WV	0 4
4265	LOAD X	8011001	0.00	52	3.83	50	GLOB	UNIF	WV	0 4
4266	LOAD Y	8011001	0.00	106	3.83	100	GLOB	UNIF	WV	0 4
4267	LOAD Z	8011001	0.00-	1	3.83-	1	GLOB	UNIF	WV	0 4
4268	LOAD X	8011001	3.83	50	3.83	49	GLOB	UNIF	WV	0 4
4269	LOAD Y	8011001	3.83	100	3.83	96	GLOB	UNIF	WV	0 4
4270	LOAD Z	8011001	3.83-	1	3.83-	1	GLOB	UNIF	WV	0 4
4271	LOAD X	8011001	7.66	49	3.83	47	GLOB	UNIF	WV	0 4
4272	LOAD Y	8011001	7.66	96	3.83	92	GLOB	UNIF	WV	0 4
4273	LOAD Z	8011001	7.66-	1	3.83-	1	GLOB	UNIF	WV	0 4
4274	LOAD X	8011001	11.49	47	3.83	46	GLOB	UNIF	WV	0 4
4275	LOAD Y	8011001	11.49	92	3.83	86	GLOB	UNIF	WV	0 4
4276	LOAD Z	8011001	11.49-	1	3.83-	1	GLOB	UNIF	WV	0 4
4277	LOAD X	8011001	15.32	46	3.83	45	GLOB	UNIF	WV	0 4
4278	LOAD Y	8011001	15.32	88	3.83	85	GLOB	UNIF	WV	0 4
4279	LOAD Z	8011001	15.32-	1	3.83		GLOB	UNIF	WV	0 4
4280	LOAD X	8011001	19.15	45	3.83	45	GLOB	UNIF	WV	0 4
4281	LOAD Y	8011001	19.15	85	3.83	83	GLOB	UNIF	WV	0 4
4282	LOAD X	8011001	22.98	45	3.83	39	GLOB	UNIF	WV	0 4
4283	LOAD Y	8011001	22.98	83	3.83	64	GLOB	UNIF	WV	0 4
4284	LOAD X	8011001	26.81	39	3.83	25	GLOB	UNIF	WV	0 4
4285	LOAD Y	8011001	26.81	64	3.83	41	GLOB	UNIF	WV	0 4
4286	LOAD X	8011001	30.64	25	3.83	10	GLOB	UNIF	WV	0 4
4287	LOAD Y	8011001	30.64	41	3.83	17	GLOB	UNIF	WV	0 4
4288	LOAD X	8031003	0.00	43	4.31	40	GLOB	UNIF	WV	0 4
4289	LOAD Y	8031003	0.00	69	4.31	64	GLOB	UNIF	WV	0 4
4290	LOAD Z	8031003	0.00-	12	4.31-	11	GLOB	UNIF	WV	0 4
4291	LOAD X	8031003	4.31	40	4.31	37	GLOB	UNIF	WV	0 4
4292	LOAD Y	8031003	4.31	64	4.31	60	GLOB	UNIF	WV	0 4

LINE NO.	1...5	....1....5	....2....5	3	....3....5	....4....5	....5....5	....6....5	....7....5....8
4293	LOAD Z	8031003	4.31-	11	4.31-	10		GLOB UNIF	WV 0 4
4294	LOAD X	8031003	8.62	37	4.31	34		GLOB UNIF	WV 0 4
4295	LOAD Y	8031003	8.62	60	4.31	56		GLOB UNIF	WV 0 4
4296	LOAD Z	8031003	8.62-	10	4.31-	10		GLOB UNIF	WV 0 4
4297	LOAD X	8031003	12.93	34	4.31	31		GLOB UNIF	WV 0 4
4298	LOAD Y	8031003	12.93	56	4.31	52		GLOB UNIF	WV 0 4
4299	LOAD Z	8031003	12.93-	10	4.31-	09		GLOB UNIF	WV 0 4
4300	LOAD X	8031003	17.23	31	4.31	29		GLOB UNIF	WV 0 4
4301	LOAD Y	8031003	17.23	52	4.31	50		GLOB UNIF	WV 0 4
4302	LOAD Z	8031003	17.23-	09	4.31-	08		GLOB UNIF	WV 0 4
4303	LOAD X	8031003	21.54	29	4.31	23		GLOB UNIF	WV 0 4
4304	LOAD Y	8031003	21.54	50	4.31	39		GLOB UNIF	WV 0 4
4305	LOAD Z	8031003	21.54-	08	4.31-	07		GLOB UNIF	WV 0 4
4306	LOAD X	8031003	25.85	23	4.31	07		GLOB UNIF	WV 0 4
4307	LOAD Y	8031003	25.85	39	4.31	11		GLOB UNIF	WV 0 4
4308	LOAD Z	8031003	25.85-	07	4.31-	02		GLOB UNIF	WV 0 4
4309	LOAD X	8031003	30.16	07	1.91			GLOB UNIF	WV 0 4
4310	LOAD X	8031003	32.07		2.40-	09		GLOB UNIF	WV 0 4
4311	LOAD Y	8031003	30.16	11	1.81			GLOB UNIF	WV 0 4
4312	LOAD Y	8031003	31.97		2.50-	16		GLOB UNIF	WV 0 4
4313	LOAD Z	8031003	30.16-	02	1.07			GLOB UNIF	WV 0 4
4314	LOAD Z	8031003	32.03		2.44	03		GLOB UNIF	WV 0 4
4315	LOAD X	8061006	0.00	69	4.92	46		GLOB UNIF	WV 0 4
4316	LOAD Y	8061006	0.00	111	4.92	106		GLOB UNIF	WV 0 4
4317	LOAD Z	8061006	0.00	18	4.92	18		GLOB UNIF	WV 0 4
4318	LOAD X	8061006	4.92	66	4.92	63		GLOB UNIF	WV 0 4
4319	LOAD Y	8061006	4.92	106	4.92	102		GLOB UNIF	WV 0 4
4320	LOAD Z	8061006	4.92	18	4.92	17		GLOB UNIF	WV 0 4
4321	LOAD X	8061006	9.85	63	4.92	60		GLOB UNIF	WV 0 4
4322	LOAD Y	8061006	9.85	102	4.92	97		GLOB UNIF	WV 0 4
4323	LOAD Z	8061006	9.85	17	4.92	16		GLOB UNIF	WV 0 4
4324	LOAD X	8061006	14.77	60	4.92	58		GLOB UNIF	WV 0 4
4325	LOAD Y	8061006	14.77	97	4.92	94		GLOB UNIF	WV 0 4
4326	LOAD Z	8061006	14.77	16	4.92	16		GLOB UNIF	WV 0 4
4327	LOAD X	8061006	19.70	58	4.92	55		GLOB UNIF	WV 0 4
4328	LOAD Y	8061006	19.70	94	4.92	90		GLOB UNIF	WV 0 4
4329	LOAD Z	8061006	19.70	16	4.92	15		GLOB UNIF	WV 0 4
4330	LOAD X	8061006	24.62	55	4.92	38		GLOB UNIF	WV 0 4
4331	LOAD Y	8061006	24.62	90	4.92	64		GLOB UNIF	WV 0 4
4332	LOAD Z	8061006	24.62	15	4.92	11		GLOB UNIF	WV 0 4
4333	LOAD X	8061006	29.54	38	4.92	22		GLOB UNIF	WV 0 4
4334	LOAD Y	8061006	29.54	64	4.92	37		GLOB UNIF	WV 0 4
4335	LOAD Z	8061006	29.54	11	4.92	06		GLOB UNIF	WV 0 4
4336	LOADCN	5							
4337	LOAD X	401 510	0.00-	390				GLOB CONC	WN 0 5
4338	LOAD Y	401 510					0.00-236476	GLOB MOMT	WN 0 5
4339	LOAD Y	401 510	0.00-	676				GLOB CONC	WN 0 5
4340	LOAD X	401 510					0.00 409588	GLOB MOMT	WN 0 5
4341	LOAD X	403 511	0.00-	390				GLOB CONC	WN 0 5
4342	LOAD Y	403 511					0.00-236476	GLOB MOMT	WN 0 5

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.														
4343	LOAD	Y	403	511	0.00-	676				GLOB	CONC	WN	0	5
4344	LOAD	X	403	511					0.00 409588	GLOB	MOMT	WN	0	5
4345	LOAD	X	406	512	0.00-	590				GLOB	CONC	WN	0	5
4346	LOAD	Y	406	512					0.00-236476	GLOB	MOMT	WN	0	5
4347	LOAD	Y	406	512	0.00-	676				GLOB	CONC	WN	0	5
4348	LOAD	X	406	512					0.00 409588	GLOB	MOMT	WN	0	5
4349	LOAD	X	203	306	20.64-	18	2.36-	21		GLOB	UNIF	WY	0	5
4350	LOAD	Y	203	306	20.64-	31	2.36-	36		GLOB	UNIF	WY	0	5
4351	LOAD	Z	203	306	20.64-	70	2.36-	80		GLOB	UNIF	WY	0	5
4352	LOAD	X	203	306	23.20-	21	2.36-	22		GLOB	UNIF	WY	0	5
4353	LOAD	Y	203	306	23.20-	36	2.36-	39		GLOB	UNIF	WY	0	5
4354	LOAD	Z	203	306	23.20-	80	2.36-	86		GLOB	UNIF	WY	0	5
4355	LOAD	X	203	306	25.56-	22	2.36-	23		GLOB	UNIF	WY	0	5
4356	LOAD	Y	203	306	25.56-	39	2.36-	41		GLOB	UNIF	WY	0	5
4357	LOAD	Z	203	306	25.56-	86	2.36-	91		GLOB	UNIF	WY	0	5
4358	LOAD	X	203	306	27.92-	23	2.36-	23		GLOB	UNIF	WY	0	5
4359	LOAD	Y	203	306	27.92-	41	2.36-	40		GLOB	UNIF	WY	0	5
4360	LOAD	Z	203	306	27.92-	91	2.36-	89		GLOB	UNIF	WY	0	5
4361	LOAD	X	203	306	30.29-	23	2.36-	22		GLOB	UNIF	WY	0	5
4362	LOAD	Y	203	306	30.29-	40	2.36-	39		GLOB	UNIF	WY	0	5
4363	LOAD	Z	203	306	30.29-	89	2.36-	87		GLOB	UNIF	WY	0	5
4364	LOAD	X	206	301	14.46-	136	3.64-	148		GLOB	UNIF	WY	0	5
4365	LOAD	Y	206	301	14.46-	77	3.64-	86		GLOB	UNIF	WY	0	5
4366	LOAD	Z	206	301	14.46-	02	2.50			GLOB	UNIF	WY	0	5
4367	LOAD	Z	206	301	16.96		1.14	1		GLOB	UNIF	WY	0	5
4368	LOAD	X	206	301	18.10-	148	3.64-	164		GLOB	UNIF	WY	0	5
4369	LOAD	Y	206	301	18.10-	86	3.64-	98		GLOB	UNIF	WY	0	5
4370	LOAD	Z	206	301	18.10	1	3.64	05		GLOB	UNIF	WY	0	5
4371	LOAD	X	206	301	21.73-	164	3.64-	180		GLOB	UNIF	WY	0	5
4372	LOAD	Y	206	301	21.73-	98	3.64-	110		GLOB	UNIF	WY	0	5
4373	LOAD	Z	206	301	21.73	05	3.64	10		GLOB	UNIF	WY	0	5
4374	LOAD	X	206	301	25.37-	180	3.64-	188		GLOB	UNIF	WY	0	5
4375	LOAD	Y	206	301	25.37-	110	3.64-	117		GLOB	UNIF	WY	0	5
4376	LOAD	Z	206	301	25.37	10	3.64	14		GLOB	UNIF	WY	0	5
4377	LOAD	X	206	301	29.01-	188	3.64-	196		GLOB	UNIF	WY	0	5
4378	LOAD	Y	206	301	29.01-	117	3.64-	125		GLOB	UNIF	WY	0	5
4379	LOAD	Z	206	301	29.01	14	3.64	17		GLOB	UNIF	WY	0	5
4380	LOAD	X	301	403	0.00-	32	6.13-	37		GLOB	UNIF	WY	0	5
4381	LOAD	Y	301	403	0.00-	145	6.13-	160		GLOB	UNIF	WY	0	5
4382	LOAD	Z	301	403	0.00	32	6.13	37		GLOB	UNIF	WY	0	5
4383	LOAD	X	301	403	6.13-	37	6.13-	39		GLOB	UNIF	WY	0	5
4384	LOAD	Y	301	403	6.13-	160	6.13-	163		GLOB	UNIF	WY	0	5
4385	LOAD	Z	301	403	6.13	37	6.13	40		GLOB	UNIF	WY	0	5
4386	LOAD	X	301	403	16.26-	39	6.13-	39		GLOB	UNIF	WY	0	5
4387	LOAD	Y	301	403	16.26-	163	6.13-	165		GLOB	UNIF	WY	0	5
4388	LOAD	Z	301	403	16.26	40	6.13	40		GLOB	UNIF	WY	0	5
4389	LOAD	X	301	403	24.40-	39	6.13-	30		GLOB	UNIF	WY	0	5
4390	LOAD	Y	301	403	24.40-	165	6.13-	127		GLOB	UNIF	WY	0	5
4391	LOAD	Z	301	403	24.40	40	6.13	31		GLOB	UNIF	WY	0	5
4392	LOAD	X	301	403	32.53-	30	6.13-	24		GLOB	UNIF	WY	0	5

LINE NO.													
4393	LOAD	Y	301	403	32.53-	127	8.13-	102	GLOB	UNIF	WV	0	5
4394	LOAD	Z	301	403	32.53	31	8.13	24	GLOB	UNIF	WV	0	5
4395	LOAD	Y	301	303	0.00-	118	2.39-	114	GLOB	UNIF	WV	0	5
4396	LOAD	Z	301	303	0.00-	12	2.39-	10	GLOB	UNIF	WV	0	5
4397	LOAD	Y	301	303	2.39-	114	2.39-	109	GLOB	UNIF	WV	0	5
4398	LOAD	Z	301	303	2.39-	10	2.39-	07	GLOB	UNIF	WV	0	5
4399	LOAD	Y	301	303	4.78-	109	2.39-	105	GLOB	UNIF	WV	0	5
4400	LOAD	Z	301	303	4.78-	07	2.39-	05	GLOB	UNIF	WV	0	5
4401	LOAD	Y	301	303	7.17-	105	2.39-	100	GLOB	UNIF	WV	0	5
4402	LOAD	Z	301	303	7.17-	05	2.39-	03	GLOB	UNIF	WV	0	5
4403	LOAD	Y	301	303	9.56-	100	2.39-	96	GLOB	UNIF	WV	0	5
4404	LOAD	Z	301	303	9.56-	03	2.39		GLOB	UNIF	WV	0	5
4405	LOAD	Y	301	303	11.94-	96	2.39-	91	GLOB	UNIF	WV	0	5
4406	LOAD	Z	301	303	12.15		2.18	02	GLOB	UNIF	WV	0	5
4407	LOAD	Y	301	303	14.33-	91	2.39-	87	GLOB	UNIF	WV	0	5
4408	LOAD	Z	301	303	14.33	02	2.39	04	GLOB	UNIF	WV	0	5
4409	LOAD	Y	301	303	16.72-	87	2.39-	82	GLOB	UNIF	WV	0	5
4410	LOAD	Z	301	303	16.72	04	2.39	07	GLOB	UNIF	WV	0	5
4411	LOAD	Y	301	303	19.11-	82	2.39-	68	GLOB	UNIF	WV	0	5
4412	LOAD	Z	301	303	19.11	07	2.39	09	GLOB	UNIF	WV	0	5
4413	LOAD	Y	301	303	21.50-	68	2.39		GLOB	UNIF	WV	0	5
4414	LOAD	Z	301	303	21.50	09	2.39		GLOB	UNIF	WV	0	5
4415	LOAD	Z	303	306	4.05	09	4.35		GLOB	UNIF	WV	0	5
4416	LOAD	Z	303	306	8.40		.64-	1	GLOB	UNIF	WV	0	5
4417	LOAD	Z	303	306	9.04-	1	4.99-	11	GLOB	UNIF	WV	0	5
4418	LOAD	Z	303	306	14.03-	11	4.99-	16	GLOB	UNIF	WV	0	5
4419	LOAD	Z	303	306	19.02-	16	4.99-	20	GLOB	UNIF	WV	0	5
4420	LOAD	Z	303	306	24.01-	20	4.99-	22	GLOB	UNIF	WV	0	5
4421	LOAD	X	301	306	0.00-	102	5.80-	105	GLOB	UNIF	WV	0	5
4422	LOAD	Y	301	306	0.00-	59	5.80-	60	GLOB	UNIF	WV	0	5
4423	LOAD	Z	301	306	0.00-	12	5.80-	15	GLOB	UNIF	WV	0	5
4424	LOAD	X	301	306	5.80-	105	5.80-	107	GLOB	UNIF	WV	0	5
4425	LOAD	Y	301	306	5.80-	60	5.80-	62	GLOB	UNIF	WV	0	5
4426	LOAD	Z	301	306	5.80-	15	5.80-	17	GLOB	UNIF	WV	0	5
4427	LOAD	X	301	306	11.60-	107	5.80-	110	GLOB	UNIF	WV	0	5
4428	LOAD	Y	301	306	11.60-	62	5.80-	63	GLOB	UNIF	WV	0	5
4429	LOAD	Z	301	306	11.60-	17	5.80-	20	GLOB	UNIF	WV	0	5
4430	LOAD	X	301	306	17.40-	110	5.80-	106	GLOB	UNIF	WV	0	5
4431	LOAD	Y	301	306	17.40-	63	5.80-	61	GLOB	UNIF	WV	0	5
4432	LOAD	Z	301	306	17.40-	20	5.80-	21	GLOB	UNIF	WV	0	5
4433	LOAD	X	301	306	23.20-	106	5.80-	97	GLOB	UNIF	WV	0	5
4434	LOAD	Y	301	306	23.20-	61	5.80-	56	GLOB	UNIF	WV	0	5
4435	LOAD	Z	301	306	23.20-	21	5.80-	22	GLOB	UNIF	WV	0	5
4436	LOAD	Y	501	502	0.00-	61	3.03-	61	GLOB	UNIF	WV	0	5
4437	LOAD	Z	501	502	0.00-	09	3.03-	08	GLOB	UNIF	WV	0	5
4438	LOAD	Y	501	502	3.03-	61	3.03-	61	GLOB	UNIF	WV	0	5
4439	LOAD	Z	501	502	3.03-	08	3.03-	08	GLOB	UNIF	WV	0	5
4440	LOAD	Y	501	502	6.06-	61	3.03-	60	GLOB	UNIF	WV	0	5
4441	LOAD	Z	501	502	6.06-	08	3.03-	07	GLOB	UNIF	WV	0	5
4442	LOAD	Y	501	502	9.09-	60	3.03-	60	GLOB	UNIF	WV	0	5

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                         1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   4443   LOAD Z   501 502    9.09=   07   3.03=   07                 GLOB UNIF    WV 0 5
   4444   LOAD Y   501 502   12.12=   60   3.03=   60                 GLOB UNIF    WV 0 5
   4445   LOAD Z   501 502   12.12=   07   3.03=   06                 GLOB UNIF    WV 0 5
   4446   LOAD Y   502 503    0.00=   60   3.03=   60                 GLOB UNIF    WV 0 5
   4447   LOAD Z   502 503    0.00=   06   3.03=   06                 GLOB UNIF    WV 0 5
   4448   LOAD Y   502 503    3.03=   60   3.03=   59                 GLOB UNIF    WV 0 5
   4449   LOAD Z   502 503    3.03=   06   3.03=   05                 GLOB UNIF    WV 0 5
   4450   LOAD Y   502 503    6.06=   59   3.03=   59                 GLOB UNIF    WV 0 5
   4451   LOAD Z   502 503    6.06=   05   3.03=   05                 GLOB UNIF    WV 0 5
   4452   LOAD Y   502 503    9.09=   59   3.03=   58                 GLOB UNIF    WV 0 5
   4453   LOAD Z   502 503    9.09=   05   3.03=   04                 GLOB UNIF    WV 0 5
   4454   LOAD Y   502 503   12.12=   58   3.03=   58                 GLOB UNIF    WV 0 5
   4455   LOAD Z   502 503   12.12=   04   3.03=   03                 GLOB UNIF    WV 0 5
   4456   LOAD Z   503 505    0.00=   03   3.03=   05                 GLOB UNIF    WV 0 5
   4457   LOAD Z   503 505    3.03=   05   3.03=   06                 GLOB UNIF    WV 0 5
   4458   LOAD Z   503 505    6.06=   06   3.03=   07                 GLOB UNIF    WV 0 5
   4459   LOAD Z   503 505    9.09=   07   3.03=   08                 GLOB UNIF    WV 0 5
   4460   LOAD Z   503 505   12.12=   08   3.03=   09                 GLOB UNIF    WV 0 5
   4461   LOAD Z   505 506    0.00=   09   3.03=   09                 GLOB UNIF    WV 0 5
   4462   LOAD Z   505 506    3.03=   09   3.03=   10                 GLOB UNIF    WV 0 5
   4463   LOAD Z   505 506    6.06=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4464   LOAD Z   505 506    9.09=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4465   LOAD Z   505 506   12.12=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4466   LOAD X   501 504    0.00=   53   3.03=   53                 GLOB UNIF    WV 0 5
   4467   LOAD Y   501 504    0.00=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4468   LOAD Z   501 504    0.00=   09   3.03=   09                 GLOB UNIF    WV 0 5
   4469   LOAD X   501 504    3.03=   53   3.03=   52                 GLOB UNIF    WV 0 5
   4470   LOAD Y   501 504    3.03=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4471   LOAD Z   501 504    3.03=   09   3.03=   09                 GLOB UNIF    WV 0 5
   4472   LOAD X   501 504    6.06=   52   3.03=   52                 GLOB UNIF    WV 0 5
   4473   LOAD Y   501 504    6.06=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4474   LOAD Z   501 504    6.06=   09   3.03=   09                 GLOB UNIF    WV 0 5
   4475   LOAD X   501 504    9.09=   52   3.03=   52                 GLOB UNIF    WV 0 5
   4476   LOAD Y   501 504    9.09=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4477   LOAD Z   501 504    9.09=   09   3.03=   10                 GLOB UNIF    WV 0 5
   4478   LOAD X   501 504   12.12=   52   3.03=   52                 GLOB UNIF    WV 0 5
   4479   LOAD Y   501 504   12.12=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4480   LOAD Z   501 504   12.12=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4481   LOAD X   504 506    0.00=   52   3.03=   52                 GLOB UNIF    WV 0 5
   4482   LOAD Y   504 506    0.00=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4483   LOAD Z   504 506    0.00=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4484   LOAD X   504 506    3.03=   52   3.03=   51                 GLOB UNIF    WV 0 5
   4485   LOAD Y   504 506    3.03=   30   3.03=   30                 GLOB UNIF    WV 0 5
   4486   LOAD Z   504 506    3.03=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4487   LOAD X   504 506    6.06=   51   3.03=   51                 GLOB UNIF    WV 0 5
   4488   LOAD Y   504 506    6.05=   30   3.03=   29                 GLOB UNIF    WV 0 5
   4489   LOAD Z   504 506    6.06=   10   3.03=   10                 GLOB UNIF    WV 0 5
   4490   LOAD X   504 506    9.09=   51   3.03=   50                 GLOB UNIF    WV 0 5
   4491   LOAD Y   504 506    9.09=   29   3.03=   29                 GLOB UNIF    WV 0 5
   4492   LOAD Z   504 506    9.09=   10   3.03=   10                 GLOB UNIF    WV 0 5
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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
4493	LOAD	X	504	505	12.12-	50	3.03-	50	GLOB UNIF	WV 0 5
4494	LOAD	Y	504	506	12.12-	29	3.03-	29	GLOB UNIF	WV 0 5
4495	LOAD	Z	504	506	12.12-	10	3.03-	10	GLOB UNIF	WV 0 5
4496	LOAD	Z	502	504	0.00-	02	3.03-	03	GLOB UNIF	WV 0 5
4497	LOAD	Z	502	504	3.03-	03	3.03-	03	GLOB UNIF	WV 0 5
4498	LOAD	Z	502	504	6.06-	03	3.03-	04	GLOB UNIF	WV 0 5
4499	LOAD	Z	502	504	9.09-	04	3.03-	04	GLOB UNIF	WV 0 5
4500	LOAD	Z	502	504	12.12-	04	3.03-	04	GLOB UNIF	WV 0 5
4501	LOAD	X	502	505	0.00-	34	3.03-	34	GLOB UNIF	WV 0 5
4502	LOAD	Y	502	505	0.00-	20	3.03-	20	GLOB UNIF	WV 0 5
4503	LOAD	Z	502	505	0.00-	02	3.03-	03	GLOB UNIF	WV 0 5
4504	LOAD	X	502	505	3.03-	34	3.03-	34	GLOB UNIF	WV 0 5
4505	LOAD	Y	502	505	3.03-	20	3.03-	20	GLOB UNIF	WV 0 5
4506	LOAD	Z	502	505	3.03-	03	3.03-	03	GLOB UNIF	WV 0 5
4507	LOAD	X	502	505	6.06-	34	3.03-	35	GLOB UNIF	WV 0 5
4508	LOAD	Y	502	505	6.06-	20	3.03-	20	GLOB UNIF	WV 0 5
4509	LOAD	Z	502	505	6.06-	03	3.03-	03	GLOB UNIF	WV 0 5
4510	LOAD	X	502	505	9.09-	35	3.03-	35	GLOB UNIF	WV 0 5
4511	LOAD	Y	502	505	9.09-	20	3.03-	20	GLOB UNIF	WV 0 5
4512	LOAD	Z	502	505	9.09-	03	3.03-	03	GLOB UNIF	WV 0 5
4513	LOAD	X	502	505	12.12-	35	3.03-	35	GLOB UNIF	WV 0 5
4514	LOAD	Y	502	505	12.12-	20	3.03-	20	GLOB UNIF	WV 0 5
4515	LOAD	Z	502	505	12.12-	03	3.03-	04	GLOB UNIF	WV 0 5
4516	LOAD	Y	504	505	0.00-	40	3.03-	40	GLOB UNIF	WV 0 5
4517	LOAD	Z	504	505	0.00-	04	3.03-	04	GLOB UNIF	WV 0 5
4518	LOAD	Y	504	505	3.03-	40	3.03-	40	GLOB UNIF	WV 0 5
4519	LOAD	Z	504	505	3.03-	04	3.03-	04	GLOB UNIF	WV 0 5
4520	LOAD	Y	504	505	6.06-	40	3.03-	40	GLOB UNIF	WV 0 5
4521	LOAD	Z	504	505	6.06-	04	3.03-	04	GLOB UNIF	WV 0 5
4522	LOAD	Y	504	505	9.10-	40	3.03-	40	GLOB UNIF	WV 0 5
4523	LOAD	Z	504	505	9.10-	04	3.03-	04	GLOB UNIF	WV 0 5
4524	LOAD	Y	504	505	12.13-	40	3.03-	40	GLOB UNIF	WV 0 5
4525	LOAD	Z	504	505	12.13-	04	3.03-	04	GLOB UNIF	WV 0 5
4526	LOAD	X	501	513	0.00-	26	.60-	26	GLOB UNIF	WV 0 5
4527	LOAD	Y	501	513	0.00-	45	.60-	45	GLOB UNIF	WV 0 5
4528	LOAD	Z	501	513	0.00-	05	.60-	05	GLOB UNIF	WV 0 5
4529	LOAD	X	501	513	.60-	26	.60-	26	GLOB UNIF	WV 0 5
4530	LOAD	Y	501	513	.60-	45	.60-	45	GLOB UNIF	WV 0 5
4531	LOAD	Z	501	513	.60-	05	.60-	05	GLOB UNIF	WV 0 5
4532	LOAD	X	501	513	1.20-	26	.60-	26	GLOB UNIF	WV 0 5
4533	LOAD	Y	501	513	1.20-	45	.60-	45	GLOB UNIF	WV 0 5
4534	LOAD	Z	501	513	1.20-	05	.60-	05	GLOB UNIF	WV 0 5
4535	LOAD	X	501	513	1.80-	26	.60-	26	GLOB UNIF	WV 0 5
4536	LOAD	Y	501	513	1.80-	45	.60-	45	GLOB UNIF	WV 0 5
4537	LOAD	Z	501	513	1.80-	05	.60-	05	GLOB UNIF	WV 0 5
4538	LOAD	X	501	513	2.39-	26	.60-	26	GLOB UNIF	WV 0 5
4539	LOAD	Y	501	513	2.39-	45	.60-	45	GLOB UNIF	WV 0 5
4540	LOAD	Z	501	513	2.39-	05	.60-	05	GLOB UNIF	WV 0 5
4541	LOAD	X	503	514	0.00	12	.60	12	GLOB UNIF	WV 0 5
4542	LOAD	Y	503	514	0.00-	21	.60-	21	GLOB UNIF	WV 0 5

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

4543	LOAD	Z	503	514	0.00=	1	.00=	1	GLOB	UNIF	WY 0 S
4544	LOAD	X	503	514	.60	12	.00	12	GLOB	UNIF	WY 0 S
4545	LOAD	Y	503	514	.60=	21	.00=	21	GLOB	UNIF	WY 0 S
4546	LOAD	Z	503	514	.60=	1	.00=	1	GLOB	UNIF	WY 0 S
4547	LOAD	X	503	514	1.20	12	.00	12	GLOB	UNIF	WY 0 S
4548	LOAD	Y	503	514	1.20=	21	.00=	21	GLOB	UNIF	WY 0 S
4549	LOAD	Z	503	514	1.20=	1	.00		GLOB	UNIF	WY 0 S
4550	LOAD	X	503	514	1.80	12	.00	12	GLOB	UNIF	WY 0 S
4551	LOAD	Y	503	514	1.80=	21	.00=	21	GLOB	UNIF	WY 0 S
4552	LOAD	X	503	514	2.39	12	.00	12	GLOB	UNIF	WY 0 S
4553	LOAD	Y	503	514	2.39=	21	.00=	20	GLOB	UNIF	WY 0 S
4554	LOAD	X	513	651	0.00=	94	3.00=	86	GLOB	UNIF	WY 0 S
4555	LOAD	Y	513	651	0.00=	145	3.00=	149	GLOB	UNIF	WY 0 S
4556	LOAD	X	513	651	3.60=	86	3.00=	80	GLOB	UNIF	WY 0 S
4557	LOAD	Y	513	651	3.60=	149	3.00=	138	GLOB	UNIF	WY 0 S
4558	LOAD	X	513	651	7.20=	80	3.00=	74	GLOB	UNIF	WY 0 S
4559	LOAD	Y	513	651	7.20=	138	3.00=	128	GLOB	UNIF	WY 0 S
4560	LOAD	X	513	651	10.80=	74	3.00=	68	GLOB	UNIF	WY 0 S
4561	LOAD	Y	513	651	10.80=	128	3.00=	118	GLOB	UNIF	WY 0 S
4562	LOAD	X	513	651	14.40=	68	3.00=	54	GLOB	UNIF	WY 0 S
4563	LOAD	Y	513	651	14.40=	118	3.00=	111	GLOB	UNIF	WY 0 S
4564	LOAD	X	514	653	0.00=	97	3.00=	89	GLOB	UNIF	WY 0 S
4565	LOAD	Y	514	653	0.00=	160	3.00=	153	GLOB	UNIF	WY 0 S
4566	LOAD	X	514	653	3.60=	89	3.00=	83	GLOB	UNIF	WY 0 S
4567	LOAD	Y	514	653	3.60=	153	3.00=	143	GLOB	UNIF	WY 0 S
4568	LOAD	X	514	653	7.20=	83	3.00=	77	GLOB	UNIF	WY 0 S
4569	LOAD	Y	514	653	7.20=	143	3.00=	133	GLOB	UNIF	WY 0 S
4570	LOAD	X	514	653	10.80=	77	3.00=	72	GLOB	UNIF	WY 0 S
4571	LOAD	Y	514	653	10.80=	133	3.00=	124	GLOB	UNIF	WY 0 S
4572	LOAD	X	514	653	14.40=	72	3.00=	67	GLOB	UNIF	WY 0 S
4573	LOAD	Y	514	653	14.40=	124	3.00=	116	GLOB	UNIF	WY 0 S
4574	LOAD	X	601	611	0.00=	27	1.20=	27	GLOB	UNIF	WY 0 S
4575	LOAD	Z	601	611	0.00=	06	1.20=	06	GLOB	UNIF	WY 0 S
4576	LOAD	X	601	611	1.20=	27	1.20=	26	GLOB	UNIF	WY 0 S
4577	LOAD	Z	601	611	1.20=	06	1.20=	06	GLOB	UNIF	WY 0 S
4578	LOAD	X	601	611	2.40=	26	1.20=	26	GLOB	UNIF	WY 0 S
4579	LOAD	Z	601	611	2.40=	06	1.20=	06	GLOB	UNIF	WY 0 S
4580	LOAD	X	601	611	3.00=	26	1.20=	26	GLOB	UNIF	WY 0 S
4581	LOAD	Z	601	611	3.60=	06	1.20=	05	GLOB	UNIF	WY 0 S
4582	LOAD	X	601	611	4.00=	26	1.20=	26	GLOB	UNIF	WY 0 S
4583	LOAD	Z	601	611	4.80=	05	1.20=	05	GLOB	UNIF	WY 0 S
4584	LOAD	X	603	613	0.00=	25	1.20=	25	GLOB	UNIF	WY 0 S
4585	LOAD	Z	603	613	0.00=	02	1.20=	02	GLOB	UNIF	WY 0 S
4586	LOAD	X	603	613	1.20=	25	1.20=	25	GLOB	UNIF	WY 0 S
4587	LOAD	Z	603	613	1.20=	02	1.20=	02	GLOB	UNIF	WY 0 S
4588	LOAD	X	603	613	2.40=	25	1.20=	24	GLOB	UNIF	WY 0 S
4589	LOAD	Z	603	613	2.40=	02	1.20=	1	GLOB	UNIF	WY 0 S
4590	LOAD	X	603	613	3.60=	24	1.20=	24	GLOB	UNIF	WY 0 S
4591	LOAD	Z	603	613	3.60=	1	1.20=	1	GLOB	UNIF	WY 0 S
4592	LOAD	X	603	613	4.80=	24	1.20=	24	GLOB	UNIF	WY 0 S

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4593  LOAD Z  603 613    4.80-     1   1.20-    1               GLOB UNIF    WV 0 5
  4594  LOAD X  651 661    0.00-    25   1.00-   25               GLOB UNIF    WV 0 5
  4595  LOAD Z  651 661    0.00-    02   1.00-   02               GLOB UNIF    WV 0 5
  4596  LOAD X  651 661    1.00-    25   1.00-   25               GLOB UNIF    WV 0 5
  4597  LOAD Z  651 661    1.00-    02   1.00-   02               GLOB UNIF    WV 0 5
  4598  LOAD X  651 661    2.00-    25   1.00-   25               GLOB UNIF    WV 0 5
  4599  LOAD Z  651 661    2.00-    02   1.00-   02               GLOB UNIF    WV 0 5
  4600  LOAD X  651 661    3.00-    25   1.00-   25               GLOB UNIF    WV 0 5
  4601  LOAD Z  651 661    3.00-    02   1.00-    1               GLOB UNIF    WV 0 5
  4602  LOAD X  651 661    4.00-    25   1.00-   25               GLOB UNIF    WV 0 5
  4603  LOAD Z  651 661    4.00-     1   1.00-    1               GLOB UNIF    WV 0 5
  4604  LOAD X  653 663    0.00-    23   1.00-   23               GLOB UNIF    WV 0 5
  4605  LOAD Z  653 663    0.00      1   1.00     1               GLOB UNIF    WV 0 5
  4606  LOAD X  653 663    1.00-    23   1.00-   23               GLOB UNIF    WV 0 5
  4607  LOAD Z  653 663    1.00      1   1.00     1               GLOB UNIF    WV 0 5
  4608  LOAD X  653 663    2.00-    23   1.00-   22               GLOB UNIF    WV 0 5
  4609  LOAD Z  653 663    2.00      1   1.00     1               GLOB UNIF    WV 0 5
  4610  LOAD X  653 663    3.00-    22   1.00-   22               GLOB UNIF    WV 0 5
  4611  LOAD Z  653 663    3.00      1   1.00     1               GLOB UNIF    WV 0 5
  4612  LOAD X  653 663    4.00-    22   1.00-   22               GLOB UNIF    WV 0 5
  4613  LOAD Z  653 663    4.00      1   1.00     1               GLOB UNIF    WV 0 5
  4614  LOAD Y  611 612    0.00-    39   3.20-   38               GLOB UNIF    WV 0 5
  4615  LOAD Z  611 612    0.00-    04   3.20-   03               GLOB UNIF    WV 0 5
  4616  LOAD Y  611 612    3.20-    38   3.20-   38               GLOB UNIF    WV 0 5
  4617  LOAD Z  611 612    3.20-    03   3.20-   03               GLOB UNIF    WV 0 5
  4618  LOAD Y  611 612    6.40-    38   3.20-   38               GLOB UNIF    WV 0 5
  4619  LOAD Z  611 612    6.40-    03   3.20-   03               GLOB UNIF    WV 0 5
  4620  LOAD Y  611 612    9.61-    36   3.20-   36               GLOB UNIF    WV 0 5
  4621  LOAD Z  611 612    9.61-    03   3.20-   02               GLOB UNIF    WV 0 5
  4622  LOAD Y  611 612   12.81-    38   3.20-   37               GLOB UNIF    WV 0 5
  4623  LOAD Z  611 612   12.81-    02   3.20-   02               GLOB UNIF    WV 0 5
  4624  LOAD Y  612 613    0.00-    37   3.20-   37               GLOB UNIF    WV 0 5
  4625  LOAD Z  612 613    0.00-    02   3.20-   02               GLOB UNIF    WV 0 5
  4626  LOAD Y  612 613    3.20-    37   3.20-   36               GLOB UNIF    WV 0 5
  4627  LOAD Z  612 613    3.20-    02   3.20-    1               GLOB UNIF    WV 0 5
  4628  LOAD Y  612 613    6.40-    36   3.20-   36               GLOB UNIF    WV 0 5
  4629  LOAD Z  612 613    6.40-     1   3.20-    1               GLOB UNIF    WV 0 5
  4630  LOAD Y  612 613    9.61-    36   3.20-   35               GLOB UNIF    WV 0 5
  4631  LOAD Z  612 613    9.61-     1   3.20                     GLOB UNIF    WV 0 5
  4632  LOAD Y  612 613   12.81-    35   3.20-   35               GLOB UNIF    WV 0 5
  4633  LOAD Y  661 662    0.00-    67   3.55-   66               GLOB UNIF    WV 0 5
  4634  LOAD Z  661 662    0.00-    04   3.55-   03               GLOB UNIF    WV 0 5
  4635  LOAD Y  661 662    3.55-    66   3.55-   66               GLOB UNIF    WV 0 5
  4636  LOAD Z  661 662    3.55-    03   3.55-   03               GLOB UNIF    WV 0 5
  4637  LOAD Y  661 662    7.10-    66   3.55-   65               GLOB UNIF    WV 0 5
  4638  LOAD Z  661 662    7.10-    03   3.55-   03               GLOB UNIF    WV 0 5
  4639  LOAD Y  661 662   10.64-    65   3.55-   65               GLOB UNIF    WV 0 5
  4640  LOAD Z  661 662   10.64-    03   3.55-   02               GLOB UNIF    WV 0 5
  4641  LOAD Y  661 662   14.19-    65   3.55-   64               GLOB UNIF    WV 0 5
  4642  LOAD Z  661 662   14.19-    02   3.55-   02               GLOB UNIF    WV 0 5
```

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0												
4643	LOAD	Y	602	603	0.00=	64	3.55=	63	GLOB	UNIF	WV	0	5
4644	LOAD	Z	602	603	0.00=	02	3.55=	1	GLOB	UNIF	WV	0	5
4645	LOAD	Y	602	603	3.55=	63	3.55=	62	GLOB	UNIF	WV	0	5
4646	LOAD	Z	602	603	3.55=	1	3.55=	1	GLOB	UNIF	WV	0	5
4647	LOAD	Y	602	603	7.10=	62	3.55=	61	GLOB	UNIF	WV	0	5
4648	LOAD	Z	602	603	7.10=	1	3.55		GLOB	UNIF	WV	0	5
4649	LOAD	Y	602	603	10.64=	61	3.55=	61	GLOB	UNIF	WV	0	5
4650	LOAD	Y	602	603	14.19=	61	3.55=	61	GLOB	UNIF	WV	0	5
4651	LOAD	X	611	601	0.00=	63	2.42=	60	GLOB	UNIF	WV	0	5
4652	LOAD	Y	611	601	0.00=	104	2.42=	99	GLOB	UNIF	WV	0	5
4653	LOAD	Z	611	601	0.00=	09	2.42=	09	GLOB	UNIF	WV	0	5
4654	LOAD	X	611	601	2.42=	60	2.42=	57	GLOB	UNIF	WV	0	5
4655	LOAD	Y	611	601	2.42=	99	2.42=	94	GLOB	UNIF	WV	0	5
4656	LOAD	Z	611	601	2.42=	09	2.42=	08	GLOB	UNIF	WV	0	5
4657	LOAD	X	611	601	4.85=	57	2.42=	54	GLOB	UNIF	WV	0	5
4658	LOAD	Y	611	601	4.85=	94	2.42=	89	GLOB	UNIF	WV	0	5
4659	LOAD	Z	611	601	4.85=	08	2.42=	08	GLOB	UNIF	WV	0	5
4660	LOAD	X	611	601	7.27=	54	2.42=	52	GLOB	UNIF	WV	0	5
4661	LOAD	Y	611	601	7.27=	89	2.42=	85	GLOB	UNIF	WV	0	5
4662	LOAD	Z	611	601	7.27=	08	2.42=	07	GLOB	UNIF	WV	0	5
4663	LOAD	X	611	601	9.70=	52	2.42=	49	GLOB	UNIF	WV	0	5
4664	LOAD	Y	611	601	9.70=	85	2.42=	82	GLOB	UNIF	WV	0	5
4665	LOAD	Z	611	601	9.70=	07	2.42=	07	GLOB	UNIF	WV	0	5
4666	LOAD	X	612	602	0.00=	30	2.40=	30	GLOB	UNIF	WV	0	5
4667	LOAD	Y	612	602	0.00=	65	2.40=	62	GLOB	UNIF	WV	0	5
4668	LOAD	X	612	602	2.40=	36	2.40=	34	GLOB	UNIF	WV	0	5
4669	LOAD	Y	612	602	2.40=	62	2.40=	59	GLOB	UNIF	WV	0	5
4670	LOAD	X	612	602	4.80=	34	2.40=	33	GLOB	UNIF	WV	0	5
4671	LOAD	Y	612	602	4.80=	59	2.40=	56	GLOB	UNIF	WV	0	5
4672	LOAD	X	612	602	7.20=	33	2.40=	31	GLOB	UNIF	WV	0	5
4673	LOAD	Y	612	602	7.20=	56	2.40=	54	GLOB	UNIF	WV	0	5
4674	LOAD	X	612	602	9.60=	31	2.40=	30	GLOB	UNIF	WV	0	5
4675	LOAD	Y	612	602	9.60=	54	2.40=	52	GLOB	UNIF	WV	0	5
4676	LOAD	X	613	603	0.00=	56	2.42=	53	GLOB	UNIF	WV	0	5
4677	LOAD	Y	613	603	0.00=	102	2.42=	96	GLOB	UNIF	WV	0	5
4678	LOAD	Z	613	603	0.00	08	2.42	06	GLOB	UNIF	WV	0	5
4679	LOAD	X	613	603	2.42=	53	2.42=	50	GLOB	UNIF	WV	0	5
4680	LOAD	Y	613	603	2.42=	96	2.42=	93	GLOB	UNIF	WV	0	5
4681	LOAD	Z	613	603	2.42	06	2.42	07	GLOB	UNIF	WV	0	5
4682	LOAD	X	613	603	4.85=	50	2.42=	48	GLOB	UNIF	WV	0	5
4683	LOAD	Y	613	603	4.85=	93	2.42=	89	GLOB	UNIF	WV	0	5
4684	LOAD	Z	613	603	4.85	07	2.42	07	GLOB	UNIF	WV	0	5
4685	LOAD	X	613	603	7.27=	48	2.42=	46	GLOB	UNIF	WV	0	5
4686	LOAD	Y	613	603	7.27=	89	2.42=	85	GLOB	UNIF	WV	0	5
4687	LOAD	Z	613	603	7.27	07	2.42	07	GLOB	UNIF	WV	0	5
4688	LOAD	X	613	603	9.70=	46	2.42=	44	GLOB	UNIF	WV	0	5
4689	LOAD	Y	613	603	9.70=	85	2.42=	81	GLOB	UNIF	WV	0	5
4690	LOAD	Z	613	603	9.70	07	2.42	06	GLOB	UNIF	WV	0	5
4691	LOAD	X	501	632	0.00=	06	4.05=	06	GLOB	UNIF	WV	0	5
4692	LOAD	Y	501	632	0.00=	75	4.05=	70	GLOB	UNIF	WV	0	5

LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

4693	LOAD	Z	501	632	0.00	14	4.05	14	GLOB	UNIF	WV	0	5
4694	LOAD	X	501	632	4.05-	06	4.05-	06	GLOB	UNIF	WV	0	5
4695	LOAD	Y	501	632	4.05-	70	4.05-	66	GLOB	UNIF	WV	0	5
4696	LOAD	Z	501	632	4.05	14	4.05	13	GLOB	UNIF	WV	0	5
4697	LOAD	X	501	632	8.10-	06	4.05-	05	GLOB	UNIF	WV	0	5
4698	LOAD	Y	501	632	8.10-	66	4.05-	63	GLOB	UNIF	WV	0	5
4699	LOAD	Z	501	632	8.10	13	4.05	13	GLOB	UNIF	WV	0	5
4700	LOAD	X	501	632	12.15-	05	4.05-	05	GLOB	UNIF	WV	0	5
4701	LOAD	Y	501	632	12.15-	63	4.05-	60	GLOB	UNIF	WV	0	5
4702	LOAD	Z	501	632	12.15	13	4.05	12	GLOB	UNIF	WV	0	5
4703	LOAD	X	501	632	16.20-	05	4.05-	05	GLOB	UNIF	WV	0	5
4704	LOAD	Y	501	632	16.20-	60	4.05-	57	GLOB	UNIF	WV	0	5
4705	LOAD	Z	501	632	16.20	12	4.05	12	GLOB	UNIF	WV	0	5
4706	LOAD	X	503	635	0.00-	19	4.05-	19	GLOB	UNIF	WV	0	5
4707	LOAD	Y	503	635	0.00-	27	4.05-	27	GLOB	UNIF	WV	0	5
4708	LOAD	Z	503	635	0.00-	45	4.05-	44	GLOB	UNIF	WV	0	5
4709	LOAD	X	503	635	4.05-	19	4.05-	19	GLOB	UNIF	WV	0	5
4710	LOAD	Y	503	635	4.05-	27	4.05-	27	GLOB	UNIF	WV	0	5
4711	LOAD	Z	503	635	4.05-	44	4.05-	44	GLOB	UNIF	WV	0	5
4712	LOAD	X	503	635	8.10-	19	4.05-	18	GLOB	UNIF	WV	0	5
4713	LOAD	Y	503	635	8.10-	27	4.05-	26	GLOB	UNIF	WV	0	5
4714	LOAD	Z	503	635	8.10-	44	4.05-	43	GLOB	UNIF	WV	0	5
4715	LOAD	X	503	635	12.15-	18	4.05-	18	GLOB	UNIF	WV	0	5
4716	LOAD	Y	503	635	12.15-	26	4.05-	25	GLOB	UNIF	WV	0	5
4717	LOAD	Z	503	635	12.15-	43	4.05-	42	GLOB	UNIF	WV	0	5
4718	LOAD	X	503	635	16.20-	18	4.05-	17	GLOB	UNIF	WV	0	5
4719	LOAD	Y	503	635	16.20-	25	4.05-	24	GLOB	UNIF	WV	0	5
4720	LOAD	Z	503	635	16.20-	42	4.05-	40	GLOB	UNIF	WV	0	5
4721	LOAD	X	506	634	0.00-	58	4.05-	56	GLOB	UNIF	WV	0	5
4722	LOAD	Y	506	634	0.00-	45	4.05-	43	GLOB	UNIF	WV	0	5
4723	LOAD	Z	506	634	0.00	07	4.05	07	GLOB	UNIF	WV	0	5
4724	LOAD	X	506	634	4.05-	56	4.05-	53	GLOB	UNIF	WV	0	5
4725	LOAD	Y	506	634	4.05-	43	4.05-	41	GLOB	UNIF	WV	0	5
4726	LOAD	Z	506	634	4.05	07	4.05	06	GLOB	UNIF	WV	0	5
4727	LOAD	X	506	634	8.10-	53	4.05-	51	GLOB	UNIF	WV	0	5
4728	LOAD	Y	506	634	8.10-	41	4.05-	40	GLOB	UNIF	WV	0	5
4729	LOAD	Z	506	634	8.10	06	4.05	06	GLOB	UNIF	WV	0	5
4730	LOAD	X	506	634	12.14-	51	4.05-	49	GLOB	UNIF	WV	0	5
4731	LOAD	Y	506	634	12.14-	40	4.05-	38	GLOB	UNIF	WV	0	5
4732	LOAD	Z	506	634	12.14	06	4.05	06	GLOB	UNIF	WV	0	5
4733	LOAD	X	506	634	16.19-	49	4.05-	47	GLOB	UNIF	WV	0	5
4734	LOAD	Y	506	634	16.19-	38	4.05-	36	GLOB	UNIF	WV	0	5
4735	LOAD	Z	506	634	16.19	06	4.05	06	GLOB	UNIF	WV	0	5
4736	LOAD	X	632	703	0.00-	10	4.39-	10	GLOB	UNIF	WV	0	5
4737	LOAD	Y	632	703	0.00-	85	4.39-	79	GLOB	UNIF	WV	0	5
4738	LOAD	Z	632	703	0.00	20	4.39	19	GLOB	UNIF	WV	0	5
4739	LOAD	X	632	703	4.39-	10	4.39-	09	GLOB	UNIF	WV	0	5
4740	LOAD	Y	632	703	4.39-	79	4.39-	74	GLOB	UNIF	WV	0	5
4741	LOAD	Z	632	703	4.39	19	4.39	19	GLOB	UNIF	WV	0	5
4742	LOAD	X	632	703	8.77-	09	4.39-	09	GLOB	UNIF	WV	0	5

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

4743	LOAD	Y	632	703	8.77-	74	4.39-	70	GLOB	UNIF	WV	0 5
4744	LOAD	Z	632	703	8.77	19	4.39	18	GLOB	UNIF	WV	0 5
4745	LOAD	X	632	703	13.16-	09	4.39-	08	GLOB	UNIF	WV	0 5
4746	LOAD	Y	632	703	13.16-	70	4.39-	68	GLOB	UNIF	WV	0 5
4747	LOAD	Z	632	703	13.16	18	4.39	17	GLOB	UNIF	WV	0 5
4748	LOAD	X	632	703	17.55-	08	4.39-	06	GLOB	UNIF	WV	0 5
4749	LOAD	Y	632	703	17.55-	66	4.39-	63	GLOB	UNIF	WV	0 5
4750	LOAD	Z	632	703	17.55	17	4.39	16	GLOB	UNIF	WV	0 5
4751	LOAD	X	635	706	0.00-	24	4.39-	23	GLOB	UNIF	WV	0 5
4752	LOAD	Y	635	706	0.00-	34	4.39-	32	GLOB	UNIF	WV	0 5
4753	LOAD	Z	635	706	0.00-	56	4.39-	53	GLOB	UNIF	WV	0 5
4754	LOAD	X	635	706	4.39-	23	4.39-	22	GLOB	UNIF	WV	0 5
4755	LOAD	Y	635	706	4.39-	32	4.39-	31	GLOB	UNIF	WV	0 5
4756	LOAD	Z	635	706	4.39-	53	4.39-	51	GLOB	UNIF	WV	0 5
4757	LOAD	X	635	706	8.77-	22	4.39-	20	GLOB	UNIF	WV	0 5
4758	LOAD	Y	635	706	8.77-	31	4.39-	29	GLOB	UNIF	WV	0 5
4759	LOAD	Z	635	706	8.77-	51	4.39-	48	GLOB	UNIF	WV	0 5
4760	LOAD	X	635	706	13.16-	20	4.39-	19	GLOB	UNIF	WV	0 5
4761	LOAD	Y	635	706	13.16-	29	4.39-	27	GLOB	UNIF	WV	0 5
4762	LOAD	Z	635	706	13.16-	48	4.39-	45	GLOB	UNIF	WV	0 5
4763	LOAD	X	635	706	17.55-	19	4.39-	18	GLOB	UNIF	WV	0 5
4764	LOAD	Y	635	706	17.55-	27	4.39-	26	GLOB	UNIF	WV	0 5
4765	LOAD	Z	635	706	17.55-	45	4.39-	42	GLOB	UNIF	WV	0 5
4766	LOAD	X	634	701	0.00-	69	4.39-	66	GLOB	UNIF	WV	0 5
4767	LOAD	Y	634	701	0.00-	57	4.39-	54	GLOB	UNIF	WV	0 5
4768	LOAD	Z	634	701	0.00	13	4.39	12	GLOB	UNIF	WV	0 5
4769	LOAD	X	634	701	4.39-	56	4.39-	63	GLOB	UNIF	WV	0 5
4770	LOAD	Y	634	701	4.39-	54	4.39-	52	GLOB	UNIF	WV	0 5
4771	LOAD	Z	634	701	4.39	12	4.39	12	GLOB	UNIF	WV	0 5
4772	LOAD	X	634	701	8.77-	63	4.39-	60	GLOB	UNIF	WV	0 5
4773	LOAD	Y	634	701	8.77-	52	4.39-	50	GLOB	UNIF	WV	0 5
4774	LOAD	Z	634	701	8.77	12	4.39	11	GLOB	UNIF	WV	0 5
4775	LOAD	X	634	701	13.16-	60	4.39-	57	GLOB	UNIF	WV	0 5
4776	LOAD	Y	634	701	13.16-	50	4.39-	47	GLOB	UNIF	WV	0 5
4777	LOAD	Z	634	701	13.16	11	4.39	11	GLOB	UNIF	WV	0 5
4778	LOAD	X	634	701	17.55-	57	4.39-	55	GLOB	UNIF	WV	0 5
4779	LOAD	Y	634	701	17.55-	47	4.39-	46	GLOB	UNIF	WV	0 5
4780	LOAD	Z	634	701	17.55	11	4.39	10	GLOB	UNIF	WV	0 5
4781	LOAD	Y	701	702	0.00-	45	3.75-	45	GLOB	UNIF	WV	0 5
4782	LOAD	Z	701	702	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 5
4783	LOAD	Y	701	702	3.75-	45	3.75-	44	GLOB	UNIF	WV	0 5
4784	LOAD	Z	701	702	3.75-	03	3.75-	02	GLOB	UNIF	WV	0 5
4785	LOAD	Y	701	702	7.50-	44	3.75-	44	GLOB	UNIF	WV	0 5
4786	LOAD	Z	701	702	7.50-	02	3.75-	02	GLOB	UNIF	WV	0 5
4787	LOAD	Y	701	702	11.26-	44	3.75-	44	GLOB	UNIF	WV	0 5
4788	LOAD	Z	701	702	11.26-	02	3.75-	02	GLOB	UNIF	WV	0 5
4789	LOAD	Y	701	702	15.01-	44	3.75-	43	GLOB	UNIF	WV	0 5
4790	LOAD	Z	701	702	15.01-	02	3.75-	02	GLOB	UNIF	WV	0 5
4791	LOAD	Y	702	703	0.00-	43	3.75-	43	GLOB	UNIF	WV	0 5
4792	LOAD	Z	702	703	0.00-	02	3.75-	1	GLOB	UNIF	WV	0 5

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LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4793   LOAD Y  702 703    3.75-    43    3.75-    42               GLOB UNIF     MV 0 5
  4794   LOAD Z  702 703    3.75-     1    3.75-     1               GLOB UNIF     MV 0 5
  4795   LOAD Y  702 703    7.50-    42    3.75-    42               GLOB UNIF     MV 0 5
  4796   LOAD Z  702 703    7.50-     1    3.75-     1               GLOB UNIF     MV 0 5
  4797   LOAD Y  702 703   11.26-    42    3.75-    41               GLOB UNIF     MV 0 5
  4798   LOAD Z  702 703   11.26-     1    3.75-     1               GLOB UNIF     MV 0 5
  4799   LOAD Y  702 703   15.01-    41    3.75-    41               GLOB UNIF     MV 0 5
  4800   LOAD Z  702 703   15.01-     1    3.75                      GLOB UNIF     MV 0 5
  4801   LOAD Z  703 705    0.00           3.75-     1               GLOB UNIF     MV 0 5
  4802   LOAD Z  703 705    3.75-     1    3.75-     1               GLOB UNIF     MV 0 5
  4803   LOAD Z  703 705    7.50-     1    3.75-    02               GLOB UNIF     MV 0 5
  4804   LOAD Z  703 705   11.25-    02    3.75-    02               GLOB UNIF     MV 0 5
  4805   LOAD Z  703 705   15.00-    02    3.75-    03               GLOB UNIF     MV 0 5
  4806   LOAD Z  705 706    0.00-    03    3.75-    03               GLOB UNIF     MV 0 5
  4807   LOAD Z  705 706    3.75-    03    3.75-    03               GLOB UNIF     MV 0 5
  4808   LOAD Z  705 706    7.51-    03    3.75-    03               GLOB UNIF     MV 0 5
  4809   LOAD Z  705 706   11.26-    03    3.75-    03               GLOB UNIF     MV 0 5
  4810   LOAD Z  705 706   15.01-    03    3.75-    03               GLOB UNIF     MV 0 5
  4811   LOAD X  701 704    0.00-    39    3.75-    39               GLOB UNIF     MV 0 5
  4812   LOAD Y  701 704    0.00-    22    3.75-    22               GLOB UNIF     MV 0 5
  4813   LOAD Z  701 704    0.00-    03    3.75-    03               GLOB UNIF     MV 0 5
  4814   LOAD X  701 704    3.75-    39    3.75-    39               GLOB UNIF     MV 0 5
  4815   LOAD Y  701 704    3.75-    22    3.75-    22               GLOB UNIF     MV 0 5
  4816   LOAD Z  701 704    3.75-    03    3.75-    03               GLOB UNIF     MV 0 5
  4817   LOAD X  701 704    7.50-    39    3.75-    39               GLOB UNIF     MV 0 5
  4818   LOAD Y  701 704    7.50-    22    3.75-    22               GLOB UNIF     MV 0 5
  4819   LOAD Z  701 704    7.50-    03    3.75-    03               GLOB UNIF     MV 0 5
  4820   LOAD X  701 704   11.25-    39    3.75-    39               GLOB UNIF     MV 0 5
  4821   LOAD Y  701 704   11.25-    22    3.75-    22               GLOB UNIF     MV 0 5
  4822   LOAD Z  701 704   11.25-    03    3.75-    03               GLOB UNIF     MV 0 5
  4823   LOAD X  701 704   15.00-    39    3.75-    39               GLOB UNIF     MV 0 5
  4824   LOAD Y  701 704   15.00-    22    3.75-    22               GLOB UNIF     MV 0 5
  4825   LOAD Z  701 704   15.00-    03    3.75-    03               GLOB UNIF     MV 0 5
  4826   LOAD X  704 706    0.00-    39    3.75-    39               GLOB UNIF     MV 0 5
  4827   LOAD Y  704 706    0.00-    22    3.75-    22               GLOB UNIF     MV 0 5
  4828   LOAD Z  704 706    0.00-    03    3.75-    03               GLOB UNIF     MV 0 5
  4829   LOAD X  704 706    3.75-    39    3.75-    38               GLOB UNIF     MV 0 5
  4830   LOAD Y  704 706    3.75-    22    3.75-    22               GLOB UNIF     MV 0 5
  4831   LOAD Z  704 706    3.75-    03    3.75-    03               GLOB UNIF     MV 0 5
  4832   LOAD X  704 706    7.51-    38    3.75-    38               GLOB UNIF     MV 0 5
  4833   LOAD Y  704 706    7.51-    22    3.75-    22               GLOB UNIF     MV 0 5
  4834   LOAD Z  704 706    7.51-    03    3.75-    03               GLOB UNIF     MV 0 5
  4835   LOAD X  704 706   11.26-    38    3.75-    38               GLOB UNIF     MV 0 5
  4836   LOAD Y  704 706   11.26-    22    3.75-    22               GLOB UNIF     MV 0 5
  4837   LOAD Z  704 706   11.26-    03    3.75-    03               GLOB UNIF     MV 0 5
  4838   LOAD X  704 706   15.01-    38    3.75-    38               GLOB UNIF     MV 0 5
  4839   LOAD Y  704 706   15.01-    22    3.75-    22               GLOB UNIF     MV 0 5
  4840   LOAD Z  704 706   15.01-    03    3.75-    03               GLOB UNIF     MV 0 5
  4841   LOAD Z  702 704    0.00-     1    3.75-     1               GLOB UNIF     MV 0 5
  4842   LOAD Z  702 704    3.75-     1    3.75-    02               GLOB UNIF     MV 0 5
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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4043   LOAD Z  702 704    7.50-   02   3.75-   02                GLOB UNIF    MV 0 5
  4044   LOAD Z  702 704   11.25-   02   3.75-   02                GLOB UNIF    MV 0 5
  4045   LOAD Z  702 704   15.00-   02   3.75-   02                GLOB UNIF    MV 0 5
  4046   LOAD X  702 705    0.00-   32   3.75-   32                GLOB UNIF    MV 0 5
  4047   LOAD Y  702 705    0.00-   19   3.75-   19                GLOB UNIF    MV 0 5
  4048   LOAD Z  702 705    0.00-    1   3.75-    1                GLOB UNIF    MV 0 5
  4049   LOAD X  702 705    3.75-   32   3.75-   33                GLOB UNIF    MV 0 5
  4050   LOAD Y  702 705    3.75-   19   3.75-   19                GLOB UNIF    MV 0 5
  4051   LOAD Z  702 705    3.75-    1   3.75-    1                GLOB UNIF    MV 0 5
  4052   LOAD X  702 705    7.50-   33   3.75-   33                GLOB UNIF    MV 0 5
  4053   LOAD Y  702 705    7.50-   19   3.75-   19                GLOB UNIF    MV 0 5
  4054   LOAD Z  702 705    7.50-    1   3.75-    1                GLOB UNIF    MV 0 5
  4055   LOAD X  702 705   11.25-   33   3.75-   33                GLOB UNIF    MV 0 5
  4056   LOAD Y  702 705   11.25-   19   3.75-   19                GLOB UNIF    MV 0 5
  4057   LOAD Z  702 705   11.25-    1   3.75-   02                GLOB UNIF    MV 0 5
  4058   LOAD X  702 705   15.00-   33   3.75-   33                GLOB UNIF    MV 0 5
  4059   LOAD Y  702 705   15.00-   19   3.75-   19                GLOB UNIF    MV 0 5
  4060   LOAD Z  702 705   15.00-   02   3.75-   02                GLOB UNIF    MV 0 5
  4061   LOAD Y  704 705    0.00-   39   3.75-   39                GLOB UNIF    MV 0 5
  4062   LOAD Z  704 705    0.00-   02   3.75-   02                GLOB UNIF    MV 0 5
  4063   LOAD Y  704 705    3.75-   39   3.75-   39                GLOB UNIF    MV 0 5
  4064   LOAD Z  704 705    3.75-   02   3.75-   02                GLOB UNIF    MV 0 5
  4065   LOAD Y  704 705    7.50-   39   3.75-   39                GLOB UNIF    MV 0 5
  4066   LOAD Z  704 705    7.50-   02   3.75-   02                GLOB UNIF    MV 0 5
  4067   LOAD Y  704 705   11.25-   39   3.75-   39                GLOB UNIF    MV 0 5
  4068   LOAD Z  704 705   11.25-   02   3.75-   02                GLOB UNIF    MV 0 5
  4069   LOAD Y  704 705   15.01-   39   3.75-   39                GLOB UNIF    MV 0 5
  4070   LOAD Z  704 705   15.01-   02   3.75-   02                GLOB UNIF    MV 0 5
  4071   LOAD X  701 806    0.00-   49  10.69-   43                GLOB UNIF    MV 0 5
  4072   LOAD Y  701 806    0.00-   49  10.69-   43                GLOB UNIF    MV 0 5
  4073   LOAD Z  701 806    0.00-   27  10.69-   24                GLOB UNIF    MV 0 5
  4074   LOAD X  701 806   10.69-   43  10.69-   39                GLOB UNIF    MV 0 5
  4075   LOAD Y  701 806   10.69-   43  10.69-   38                GLOB UNIF    MV 0 5
  4076   LOAD Z  701 806   10.69-   24  10.69-   22                GLOB UNIF    MV 0 5
  4077   LOAD X  701 806   21.78-   39  10.69-   34                GLOB UNIF    MV 0 5
  4078   LOAD Y  701 806   21.78-   30  10.69-   34                GLOB UNIF    MV 0 5
  4079   LOAD Z  701 806   21.78-   22  10.69-   19                GLOB UNIF    MV 0 5
  4080   LOAD X  701 806   32.67-   34  10.69-   30                GLOB UNIF    MV 0 5
  4081   LOAD Y  701 806   32.67-   34  10.69-   30                GLOB UNIF    MV 0 5
  4082   LOAD Z  701 806   32.67-   19  10.69-   17                GLOB UNIF    MV 0 5
  4083   LOAD X  701 806   43.56-   30  10.69-   27                GLOB UNIF    MV 0 5
  4084   LOAD Y  701 806   43.56-   30  10.69-   26                GLOB UNIF    MV 0 5
  4085   LOAD Z  701 806   43.56-   17  10.69-   15                GLOB UNIF    MV 0 5
  4086   LOAD X  703 801    0.00-   20  10.69-   19                GLOB UNIF    MV 0 5
  4087   LOAD Y  703 801    0.00-   60  10.69-   60                GLOB UNIF    MV 0 5
  4088   LOAD Z  703 801    0.00-   19  10.69-   18                GLOB UNIF    MV 0 5
  4089   LOAD X  703 801   10.69-   19  10.89-   17                GLOB UNIF    MV 0 5
  4090   LOAD Y  703 801   10.69-   60  10.69-   55                GLOB UNIF    MV 0 5
  4091   LOAD Z  703 801   10.69-   18  10.69-   17                GLOB UNIF    MV 0 5
  4092   LOAD X  703 801   21.78-   17  10.69-   16                GLOB UNIF    MV 0 5
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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4893   LOAD Y  703 801   21.78-   55  10.69-   50             GLOB UNIF    WV 0 5
  4894   LOAD Z  703 801   21.78-   17  10.69-   16             GLOB UNIF    WV 0 5
  4895   LOAD X  703 801   32.66-   16  10.69-   14             GLOB UNIF    WV 0 5
  4896   LOAD Y  703 801   32.66-   50  10.69-   45             GLOB UNIF    WV 0 5
  4897   LOAD Z  703 801   32.66-   16  10.69-   14             GLOB UNIF    WV 0 5
  4898   LOAD X  703 801   43.55-   14  10.69-   13             GLOB UNIF    WV 0 5
  4899   LOAD Y  703 801   43.55-   45  10.69-   42             GLOB UNIF    WV 0 5
  4900   LOAD Z  703 801   43.55-   14  10.69-   13             GLOB UNIF    WV 0 5
  4901   LOAD X  706 803    0.00-   09   9.07-   09             GLOB UNIF    WV 0 5
  4902   LOAD Y  706 803    0.00-   22   9.07-   21             GLOB UNIF    WV 0 5
  4903   LOAD Z  706 803    0.00    29   9.07    28             GLOB UNIF    WV 0 5
  4904   LOAD X  706 803    9.07-   09   9.07-   08             GLOB UNIF    WV 0 5
  4905   LOAD Y  706 803    9.07-   21   9.07-   20             GLOB UNIF    WV 0 5
  4906   LOAD Z  706 803    9.07    28   9.07    27             GLOB UNIF    WV 0 5
  4907   LOAD X  706 803   18.15-   08   9.07-   08             GLOB UNIF    WV 0 5
  4908   LOAD Y  706 803   18.15-   20   9.07-   19             GLOB UNIF    WV 0 5
  4909   LOAD Z  706 803   18.15    27   9.07    25             GLOB UNIF    WV 0 5
  4910   LOAD X  706 803   27.22-   08   9.07-   07             GLOB UNIF    WV 0 5
  4911   LOAD Y  706 803   27.22-   19   9.07-   18             GLOB UNIF    WV 0 5
  4912   LOAD Z  706 803   27.22    25   9.07    24             GLOB UNIF    WV 0 5
  4913   LOAD X  706 803   36.29-   07   9.07-   07             GLOB UNIF    WV 0 5
  4914   LOAD Y  706 803   36.29-   18   9.07-   16             GLOB UNIF    WV 0 5
  4915   LOAD Z  706 803   36.29    24   9.07    22             GLOB UNIF    WV 0 5
  4916   LOAD X  706 803   45.36-   07   9.07-   07             GLOB UNIF    WV 0 5
  4917   LOAD Y  706 803   45.36-   16   9.07-   15             GLOB UNIF    WV 0 5
  4918   LOAD Z  706 803   45.36    22   9.07    21             GLOB UNIF    WV 0 5
  4919   LOAD Y  801 802    0.00-   34   4.73-   33             GLOB UNIF    WV 0 5
  4920   LOAD Z  801 802    0.00-   02   4.73-   02             GLOB UNIF    WV 0 5
  4921   LOAD Y  801 802    4.73-   33   4.73-   33             GLOB UNIF    WV 0 5
  4922   LOAD Z  801 802    4.73-   02   4.73-   02             GLOB UNIF    WV 0 5
  4923   LOAD Y  801 802    9.46-   33   4.73-   33             GLOB UNIF    WV 0 5
  4924   LOAD Z  801 802    9.46-   02   4.73-   02             GLOB UNIF    WV 0 5
  4925   LOAD Y  801 802   14.20-   33   4.73-   33             GLOB UNIF    WV 0 5
  4926   LOAD Z  801 802   14.20-   02   4.73-   02             GLOB UNIF    WV 0 5
  4927   LOAD Y  801 802   18.93-   33   4.73-   33             GLOB UNIF    WV 0 5
  4928   LOAD Z  801 802   18.93-   02   4.73-   02             GLOB UNIF    WV 0 5
  4929   LOAD Y  802 803    0.00-   33   4.73-   33             GLOB UNIF    WV 0 5
  4930   LOAD Z  802 803    0.00-   02   4.73-   02             GLOB UNIF    WV 0 5
  4931   LOAD Y  802 803    4.73-   33   4.73-   32             GLOB UNIF    WV 0 5
  4932   LOAD Z  802 803    4.73-   02   4.73-   02             GLOB UNIF    WV 0 5
  4933   LOAD Y  802 803    9.46-   32   4.73-   32             GLOB UNIF    WV 0 5
  4934   LOAD Z  802 803    9.46-   02   4.73-   02             GLOB UNIF    WV 0 5
  4935   LOAD Y  802 803   14.20-   32   4.73-   32             GLOB UNIF    WV 0 5
  4936   LOAD Z  802 803   14.20-   02   4.73-   02             GLOB UNIF    WV 0 5
  4937   LOAD Y  802 803   18.93-   32   4.73-   32             GLOB UNIF    WV 0 5
  4938   LOAD Z  802 803   18.93-   02   4.73-   02             GLOB UNIF    WV 0 5
  4939   LOAD Z  803 805    0.00-   02   4.73-   02             GLOB UNIF    WV 0 5
  4940   LOAD Z  803 805    4.73-   02   4.73-   02             GLOB UNIF    WV 0 5
  4941   LOAD Z  803 805    9.46-   02   4.73-   02             GLOB UNIF    WV 0 5
  4942   LOAD Z  803 805   14.20-   02   4.73-   02             GLOB UNIF    WV 0 5
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LINE NO.	1	2	3	4	5	6	7	8	9	10	11
4943	LOAD	Z	805 805	10.95-	02	4.73-	02	GLOB	UNIF	WV 0	5
4944	LOAD	Z	805 806	0.00-	02	4.73-	02	GLOB	UNIF	WV 0	5
4945	LOAD	Z	805 806	4.73-	02	4.73-	03	GLOB	UNIF	WV 0	5
4946	LOAD	Z	805 806	9.47-	03	4.73-	03	GLOB	UNIF	WV 0	5
4947	LOAD	Z	805 806	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	5
4948	LOAD	Z	805 806	10.95-	03	4.73-	03	GLOB	UNIF	WV 0	5
4949	LOAD	X	801 804	0.00-	29	4.73-	29	GLOB	UNIF	WV 0	5
4950	LOAD	Y	801 804	0.00-	17	4.73-	17	GLOB	UNIF	WV 0	5
4951	LOAD	Z	801 804	0.00-	02	4.73-	02	GLOB	UNIF	WV 0	5
4952	LOAD	X	801 804	4.73-	29	4.73-	29	GLOB	UNIF	WV 0	5
4953	LOAD	Y	801 804	4.73-	17	4.73-	17	GLOB	UNIF	WV 0	5
4954	LOAD	Z	801 804	4.73-	02	4.73-	02	GLOB	UNIF	WV 0	5
4955	LOAD	X	801 804	9.46-	29	4.73-	29	GLOB	UNIF	WV 0	5
4956	LOAD	Y	801 804	9.46-	17	4.73-	17	GLOB	UNIF	WV 0	5
4957	LOAD	Z	801 804	9.46-	02	4.73-	03	GLOB	UNIF	WV 0	5
4958	LOAD	X	801 804	14.20-	29	4.73-	29	GLOB	UNIF	WV 0	5
4959	LOAD	Y	801 804	14.20-	17	4.73-	17	GLOB	UNIF	WV 0	5
4960	LOAD	Z	801 804	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	5
4961	LOAD	X	801 804	10.93-	29	4.73-	29	GLOB	UNIF	WV 0	5
4962	LOAD	Y	801 804	10.93-	17	4.73-	16	GLOB	UNIF	WV 0	5
4963	LOAD	Z	801 804	10.93-	03	4.73-	03	GLOB	UNIF	WV 0	5
4964	LOAD	X	804 806	0.00-	29	4.73-	28	GLOB	UNIF	WV 0	5
4965	LOAD	Y	804 806	0.00-	16	4.73-	16	GLOB	UNIF	WV 0	5
4966	LOAD	Z	804 806	0.00-	03	4.73-	03	GLOB	UNIF	WV 0	5
4967	LOAD	X	804 806	4.73-	28	4.73-	28	GLOB	UNIF	WV 0	5
4968	LOAD	Y	804 806	4.73-	16	4.73-	16	GLOB	UNIF	WV 0	5
4969	LOAD	Z	804 806	4.73-	03	4.73-	03	GLOB	UNIF	WV 0	5
4970	LOAD	X	804 806	9.47-	28	4.73-	28	GLOB	UNIF	WV 0	5
4971	LOAD	Y	804 806	9.47-	16	4.73-	16	GLOB	UNIF	WV 0	5
4972	LOAD	Z	804 806	9.47-	03	4.73-	03	GLOB	UNIF	WV 0	5
4973	LOAD	X	804 806	14.20-	28	4.73-	28	GLOB	UNIF	WV 0	5
4974	LOAD	Y	804 806	14.20-	16	4.73-	16	GLOB	UNIF	WV 0	5
4975	LOAD	Z	804 806	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	5
4976	LOAD	X	804 806	10.93-	28	4.73-	27	GLOB	UNIF	WV 0	5
4977	LOAD	Y	804 806	10.93-	16	4.73-	16	GLOB	UNIF	WV 0	5
4978	LOAD	Z	804 806	10.95-	03	4.73-	03	GLOB	UNIF	WV 0	5
4979	LOAD	Z	802 804	0.00-	1	4.73-	1	GLOB	UNIF	WV 0	5
4980	LOAD	Z	802 804	4.73-	1	4.73-	1	GLOB	UNIF	WV 0	5
4981	LOAD	Z	802 804	9.46-	1	4.73-	1	GLOB	UNIF	WV 0	5
4982	LOAD	Z	802 804	14.20-	1	4.73-	1	GLOB	UNIF	WV 0	5
4983	LOAD	Z	802 804	10.95-	1	4.73-	1	GLOB	UNIF	WV 0	5
4984	LOAD	X	802 805	0.00-	20	4.73-	20	GLOB	UNIF	WV 0	5
4985	LOAD	Y	802 805	0.00-	11	4.73-	11	GLOB	UNIF	WV 0	5
4986	LOAD	Z	802 805	0.00-	1	4.73-	1	GLOB	UNIF	WV 0	5
4987	LOAD	X	802 805	4.73-	20	4.73-	20	GLOB	UNIF	WV 0	5
4988	LOAD	Y	802 805	4.73-	11	4.73-	11	GLOB	UNIF	WV 0	5
4989	LOAD	Z	802 805	4.73-	1	4.73-	1	GLOB	UNIF	WV 0	5
4990	LOAD	X	802 805	9.46-	20	4.73-	20	GLOB	UNIF	WV 0	5
4991	LOAD	Y	802 805	9.46-	11	4.73-	12	GLOB	UNIF	WV 0	5
4992	LOAD	Z	802 805	9.46-	1	4.73-	1	GLOB	UNIF	WV 0	5

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   4993  LOAD X  802 805   14.20-   20   4.73-   20                  GLOB UNIF    WV 0 5
   4994  LOAD Y  802 805   14.20-   12   4.73-   12                  GLOB UNIF    WV 0 5
   4995  LOAD Z  802 805   14.20-    1   4.73-    1                  GLOB UNIF    WV 0 5
   4996  LOAD X  802 805   16.93-   20   4.73-   20                  GLOB UNIF    WV 0 5
   4997  LOAD Y  802 805   16.93-   12   4.73-   12                  GLOB UNIF    WV 0 5
   4998  LOAD Z  802 805   16.93-    1   4.73-    1                  GLOB UNIF    WV 0 5
   4999  LOAD Y  804 805    0.00-   23   4.73-   23                  GLOB UNIF    WV 0 5
   5000  LOAD Z  804 805    0.00-    1   4.73-    1                  GLOB UNIF    WV 0 5
   5001  LOAD Y  804 805    4.73-   23   4.73-   23                  GLOB UNIF    WV 0 5
   5002  LOAD Z  804 805    4.73-    1   4.73-    1                  GLOB UNIF    WV 0 5
   5003  LOAD Y  804 805    9.46-   23   4.73-   23                  GLOB UNIF    WV 0 5
   5004  LOAD Z  804 805    9.46-    1   4.73-    1                  GLOB UNIF    WV 0 5
   5005  LOAD Y  804 805   14.20-   23   4.73-   23                  GLOB UNIF    WV 0 5
   5006  LOAD Z  804 805   14.20-    1   4.73-    1                  GLOB UNIF    WV 0 5
   5007  LOAD Y  804 805   16.93-   23   4.73-   24                  GLOB UNIF    WV 0 5
   5008  LOAD Z  804 805   16.93-    1   4.73-    1                  GLOB UNIF    WV 0 5
   5009  LOAD X  8011002    0.00-   11   4.15-   10                  GLOB UNIF    WV 0 5
   5010  LOAD Y  8011002    0.00-   33   4.15-   31                  GLOB UNIF    WV 0 5
   5011  LOAD Z  8011002    0.00    10   4.15    10                  GLOB UNIF    WV 0 5
   5012  LOAD X  8011002    4.15-   10   4.15-   10                  GLOB UNIF    WV 0 5
   5013  LOAD Y  8011002    4.15-   31   4.15-   30                  GLOB UNIF    WV 0 5
   5014  LOAD Z  8011002    4.15    10   4.15    09                  GLOB UNIF    WV 0 5
   5015  LOAD X  8011002    8.30-   10   4.15-   10                  GLOB UNIF    WV 0 5
   5016  LOAD Y  8011002    8.30-   30   4.15-   29                  GLOB UNIF    WV 0 5
   5017  LOAD Z  8011002    8.30    09   4.15    09                  GLOB UNIF    WV 0 5
   5018  LOAD X  8011002   12.46-   10   4.15-   09                  GLOB UNIF    WV 0 5
   5019  LOAD Y  8011002   12.46-   29   4.15-   28                  GLOB UNIF    WV 0 5
   5020  LOAD Z  8011002   12.46    09   4.15    09                  GLOB UNIF    WV 0 5
   5021  LOAD X  8011002   16.61-   09   4.15-   09                  GLOB UNIF    WV 0 5
   5022  LOAD Y  8011002   16.61-   28   4.15-   27                  GLOB UNIF    WV 0 5
   5023  LOAD Z  8011002   16.61    09   4.15    09                  GLOB UNIF    WV 0 5
   5024  LOAD X  8011002   20.76-   09   4.15-   09                  GLOB UNIF    WV 0 5
   5025  LOAD Y  8011002   20.76-   27   4.15-   26                  GLOB UNIF    WV 0 5
   5026  LOAD Z  8011002   20.75    09   4.15    08                  GLOB UNIF    WV 0 5
   5027  LOAD X  8011002   24.91-   09   4.15-   09                  GLOB UNIF    WV 0 5
   5028  LOAD Y  8011002   24.91-   26   4.15-   26                  GLOB UNIF    WV 0 5
   5029  LOAD Z  8011002   24.91    08   4.15    08                  GLOB UNIF    WV 0 5
   5030  LOAD X  8011002   29.06-   09   4.15-   08                  GLOB UNIF    WV 0 5
   5031  LOAD Y  8011002   29.06-   26   4.15-   18                  GLOB UNIF    WV 0 5
   5032  LOAD Z  8011002   29.06    08   4.15    08                  GLOB UNIF    WV 0 5
   5033  LOAD X  8011002   33.21-   08   4.15-   04                  GLOB UNIF    WV 0 5
   5034  LOAD Y  8011002   33.21-   18   4.15-   11                  GLOB UNIF    WV 0 5
   5035  LOAD Z  8011002   33.21    08   4.15    03                  GLOB UNIF    WV 0 5
   5036  LOAD X  8011002   37.37-   04   4.15-    1                  GLOB UNIF    WV 0 5
   5037  LOAD Y  8011002   37.37-   11   4.15-   03                  GLOB UNIF    WV 0 5
   5038  LOAD Z  8011002   37.37    03   4.15     1                  GLOB UNIF    WV 0 5
   5039  LOAD X  8031002    0.00-   14   4.61-   14                  GLOB UNIF    WV 0 5
   5040  LOAD Y  8031002    0.00-   32   4.61-   31                  GLOB UNIF    WV 0 5
   5041  LOAD Z  8031002    0.00-   07   4.61-   07                  GLOB UNIF    WV 0 5
   5042  LOAD X  8031002    4.61-   14   4.61-   13                  GLOB UNIF    WV 0 5
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LINE NO.	1...5	....0....5	....0....5	0	5	....0....5	....0....5....0....5	....0....5	....0....5....0
5043	LOAD Y	8031002	4.61-	31	4.61-	30	GLOB UNIF	WV 0 5
5044	LOAD Z	8031002	4.61-	07	4.61-	07	GLOB UNIF	WV 0 5
5045	LOAD X	8031002	9.23-	13	4.61-	13	GLOB UNIF	WV 0 5
5046	LOAD Y	8031002	9.23-	30	4.61-	29	GLOB UNIF	WV 0 5
5047	LOAD Z	8031002	9.23-	07	4.61-	06	GLOB UNIF	WV 0 5
5048	LOAD X	8031002	13.84-	13	4.61-	12	GLOB UNIF	WV 0 5
5049	LOAD Y	8031002	13.84-	29	4.61-	28	GLOB UNIF	WV 0 5
5050	LOAD Z	8031002	13.84-	06	4.61-	06	GLOB UNIF	WV 0 5
5051	LOAD X	8031002	18.45-	12	4.61-	12	GLOB UNIF	WV 0 5
5052	LOAD Y	8031002	18.45-	28	4.61-	27	GLOB UNIF	WV 0 5
5053	LOAD Z	8031002	18.45-	06	4.61-	06	GLOB UNIF	WV 0 5
5054	LOAD X	8031002	23.07-	12	4.61-	11	GLOB UNIF	WV 0 5
5055	LOAD Y	8031002	23.07-	27	4.61-	26	GLOB UNIF	WV 0 5
5056	LOAD Z	8031002	23.07-	06	4.61-	06	GLOB UNIF	WV 0 5
5057	LOAD X	8031002	27.68-	11	4.61-	09	GLOB UNIF	WV 0 5
5058	LOAD Y	8031002	27.68-	26	4.61-	21	GLOB UNIF	WV 0 5
5059	LOAD Z	8031002	27.68-	06	4.61-	04	GLOB UNIF	WV 0 5
5060	LOAD X	8031002	32.29-	09	4.61-	05	GLOB UNIF	WV 0 5
5061	LOAD Y	8031002	32.29-	21	4.61-	12	GLOB UNIF	WV 0 5
5062	LOAD Z	8031002	32.29-	04	4.61-	03	GLOB UNIF	WV 0 5
5063	LOAD X	8031002	36.91-	05	4.61-	1	GLOB UNIF	WV 0 5
5064	LOAD Y	8031002	36.91-	12	4.61-	03	GLOB UNIF	WV 0 5
5065	LOAD Z	8031002	36.91-	03	4.61-	1	GLOB UNIF	WV 0 5
5066	LOAD X	8031005	0.00-	14	4.15-	14	GLOB UNIF	WV 0 5
5067	LOAD Y	8031005	0.00-	22	4.15-	21	GLOB UNIF	WV 0 5
5068	LOAD Z	8031005	0.00-	18	4.15-	17	GLOB UNIF	WV 0 5
5069	LOAD X	8031005	4.15-	14	4.15-	13	GLOB UNIF	WV 0 5
5070	LOAD Y	8031005	4.15-	21	4.15-	20	GLOB UNIF	WV 0 5
5071	LOAD Z	8031005	4.15-	17	4.15-	17	GLOB UNIF	WV 0 5
5072	LOAD X	8031005	8.30-	13	4.15-	13	GLOB UNIF	WV 0 5
5073	LOAD Y	8031005	8.30-	20	4.15-	20	GLOB UNIF	WV 0 5
5074	LOAD Z	8031005	8.30-	17	4.15-	16	GLOB UNIF	WV 0 5
5075	LOAD X	8031005	12.46-	13	4.15-	12	GLOB UNIF	WV 0 5
5076	LOAD Y	8031005	12.46-	20	4.15-	19	GLOB UNIF	WV 0 5
5077	LOAD Z	8031005	12.46-	16	4.15-	16	GLOB UNIF	WV 0 5
5078	LOAD X	8031005	16.61-	12	4.15-	12	GLOB UNIF	WV 0 5
5079	LOAD Y	8031005	16.61-	19	4.15-	18	GLOB UNIF	WV 0 5
5080	LOAD Z	8031005	16.61-	16	4.15-	15	GLOB UNIF	WV 0 5
5081	LOAD X	8031005	20.76-	12	4.15-	12	GLOB UNIF	WV 0 5
5082	LOAD Y	8031005	20.76-	16	4.15-	18	GLOB UNIF	WV 0 5
5083	LOAD Z	8031005	20.76-	15	4.15-	15	GLOB UNIF	WV 0 5
5084	LOAD X	8031005	24.91-	12	4.15-	11	GLOB UNIF	WV 0 5
5085	LOAD Y	8031005	24.91-	18	4.15-	17	GLOB UNIF	WV 0 5
5086	LOAD Z	8031005	24.91-	15	4.15-	14	GLOB UNIF	WV 0 5
5087	LOAD X	8031005	29.06-	11	4.15-	07	GLOB UNIF	WV 0 5
5088	LOAD Y	8031005	29.06-	17	4.15-	11	GLOB UNIF	WV 0 5
5089	LOAD Z	8031005	29.06-	14	4.15-	09	GLOB UNIF	WV 0 5
5090	LOAD X	8031005	33.22-	07	4.15-	04	GLOB UNIF	WV 0 5
5091	LOAD Y	8031005	33.22-	11	4.15-	06	GLOB UNIF	WV 0 5
5092	LOAD Z	8031005	33.22-	09	4.15-	05	GLOB UNIF	WV 0 5

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           1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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5093	LOAD X	8031005	37.37-	04	4.15-	1	GLOB	UNIF	WV 0	5
5094	LOAD Y	8031005	37.37-	06	4.15-	02	GLOB	UNIF	WV 0	5
5095	LOAD Z	8031005	37.37-	05	4.15-	1	GLOB	UNIF	WV 0	5
5096	LOAD X	8061005	0.00-	10	4.15-	10	GLOB	UNIF	WV 0	5
5097	LOAD Y	8061005	0.00-	21	4.15-	21	GLOB	UNIF	WV 0	5
5098	LOAD Z	8061005	0.00	16	4.15	16	GLOB	UNIF	WV 0	5
5099	LOAD X	8061005	4.15-	10	4.15-	10	GLOB	UNIF	WV 0	5
5100	LOAD Y	8061005	4.15-	21	4.15-	20	GLOB	UNIF	WV 0	5
5101	LOAD Z	8061005	4.15	16	4.15	15	GLOB	UNIF	WV 0	5
5102	LOAD X	8061005	8.30-	10	4.15-	10	GLOB	UNIF	WV 0	5
5103	LOAD Y	8061005	8.30-	20	4.15-	20	GLOB	UNIF	WV 0	5
5104	LOAD Z	8061005	8.30	15	4.15	15	GLOB	UNIF	WV 0	5
5105	LOAD X	8061005	12.46-	10	4.15-	09	GLOB	UNIF	WV 0	5
5106	LOAD Y	8061005	12.46-	20	4.15-	19	GLOB	UNIF	WV 0	5
5107	LOAD Z	8061005	12.46	15	4.15	15	GLOB	UNIF	WV 0	5
5108	LOAD X	8061005	16.61-	09	4.15-	09	GLOB	UNIF	WV 0	5
5109	LOAD Y	8061005	16.61-	19	4.15-	19	GLOB	UNIF	WV 0	5
5110	LOAD Z	8061005	16.61	15	4.15	14	GLOB	UNIF	WV 0	5
5111	LOAD X	8061005	20.76-	09	4.15-	09	GLOB	UNIF	WV 0	5
5112	LOAD Y	8061005	20.76-	19	4.15-	18	GLOB	UNIF	WV 0	5
5113	LOAD Z	8061005	20.76	14	4.15	14	GLOB	UNIF	WV 0	5
5114	LOAD X	8061005	24.91-	09	4.15-	09	GLOB	UNIF	WV 0	5
5115	LOAD Y	8061005	24.91-	18	4.15-	18	GLOB	UNIF	WV 0	5
5116	LOAD Z	8061005	24.91	14	4.15	14	GLOB	UNIF	WV 0	5
5117	LOAD X	8061005	29.07-	09	4.15-	07	GLOB	UNIF	WV 0	5
5118	LOAD Y	8061005	29.07-	18	4.15-	14	GLOB	UNIF	WV 0	5
5119	LOAD Z	8061005	29.07	14	4.15	11	GLOB	UNIF	WV 0	5
5120	LOAD X	8061005	33.22-	07	4.15-	04	GLOB	UNIF	WV 0	5
5121	LOAD Y	8061005	33.22-	14	4.15-	08	GLOB	UNIF	WV 0	5
5122	LOAD Z	8061005	33.22	11	4.15	07	GLOB	UNIF	WV 0	5
5123	LOAD X	8061005	37.37-	04	4.15-	1	GLOB	UNIF	WV 0	5
5124	LOAD Y	8061005	37.37-	08	4.15-	02	GLOB	UNIF	WV 0	5
5125	LOAD Z	8061005	37.37	07	4.15	1	GLOB	UNIF	WV 0	5
5126	LOAD X	8011004	0.00-	22	4.15-	21	GLOB	UNIF	WV 0	5
5127	LOAD Y	8011004	0.00-	28	4.15-	27	GLOB	UNIF	WV 0	5
5128	LOAD Z	8011004	0.00-	12	4.15-	11	GLOB	UNIF	WV 0	5
5129	LOAD X	8011004	4.15-	21	4.15-	20	GLOB	UNIF	WV 0	5
5130	LOAD Y	8011004	4.15-	27	4.15-	25	GLOB	UNIF	WV 0	5
5131	LOAD Z	8011004	4.15-	11	4.15-	11	GLOB	UNIF	WV 0	5
5132	LOAD X	8011004	8.30-	20	4.15-	20	GLOB	UNIF	WV 0	5
5133	LOAD Y	8011004	8.30-	25	4.15-	24	GLOB	UNIF	WV 0	5
5134	LOAD Z	8011004	8.30-	11	4.15-	10	GLOB	UNIF	WV 0	5
5135	LOAD X	8011004	12.46-	20	4.15-	19	GLOB	UNIF	WV 0	5
5136	LOAD Y	8011004	12.46-	24	4.15-	23	GLOB	UNIF	WV 0	5
5137	LOAD Z	8011004	12.46-	10	4.15-	10	GLOB	UNIF	WV 0	5
5138	LOAD X	8011004	16.61-	19	4.15-	18	GLOB	UNIF	WV 0	5
5139	LOAD Y	8011004	16.61-	23	4.15-	23	GLOB	UNIF	WV 0	5
5140	LOAD Z	8011004	16.61-	10	4.15-	09	GLOB	UNIF	WV 0	5
5141	LOAD X	8011004	20.76-	18	4.15-	18	GLOB	UNIF	WV 0	5
5142	LOAD Y	8011004	20.76-	23	4.15-	22	GLOB	UNIF	WV 0	5

LINE NO.												
5143	LOAD	Z	8011004	20.76-	09	4.15-	09	GLOB	UNIF	WV	0	5
5144	LOAD	X	8011004	24.91-	16	4.15-	17	GLOB	UNIF	WV	0	5
5145	LOAD	Y	8011004	24.91-	22	4.15-	21	GLOB	UNIF	WV	0	5
5146	LOAD	Z	8011004	24.91-	09	4.15-	09	GLOB	UNIF	WV	0	5
5147	LOAD	X	8011004	29.06-	17	4.15-	12	GLOB	UNIF	WV	0	5
5148	LOAD	Y	8011004	29.06-	21	4.15-	15	GLOB	UNIF	WV	0	5
5149	LOAD	Z	8011004	29.06-	09	4.15-	06	GLOB	UNIF	WV	0	5
5150	LOAD	X	8011004	33.22-	12	4.15-	06	GLOB	UNIF	WV	0	5
5151	LOAD	Y	8011004	33.22-	15	4.15-	08	GLOB	UNIF	WV	0	5
5152	LOAD	Z	8011004	33.22-	06	4.15-	04	GLOB	UNIF	WV	0	5
5153	LOAD	X	8011004	37.37-	06	4.15-	1	GLOB	UNIF	WV	0	5
5154	LOAD	Y	8011004	37.37-	06	4.15-	1	GLOB	UNIF	WV	0	5
5155	LOAD	Z	8011004	37.37-	04	4.15		GLOB	UNIF	WV	0	5
5156	LOAD	X	8061004	0.00-	22	4.15-	21	GLOB	UNIF	WV	0	5
5157	LOAD	Y	8061004	0.00-	27	4.15-	26	GLOB	UNIF	WV	0	5
5158	LOAD	Z	8061004	0.00	06	4.15	06	GLOB	UNIF	WV	0	5
5159	LOAD	X	8061004	4.15-	21	4.15-	20	GLOB	UNIF	WV	0	5
5160	LOAD	Y	8061004	4.15-	26	4.15-	25	GLOB	UNIF	WV	0	5
5161	LOAD	Z	8061004	4.15	06	4.15	06	GLOB	UNIF	WV	0	5
5162	LOAD	X	8061004	8.30-	20	4.15-	19	GLOB	UNIF	WV	0	5
5163	LOAD	Y	8061004	8.30-	25	4.15-	24	GLOB	UNIF	WV	0	5
5164	LOAD	Z	8061004	8.30	06	4.15	05	GLOB	UNIF	WV	0	5
5165	LOAD	X	8061004	12.46-	19	4.15-	19	GLOB	UNIF	WV	0	5
5166	LOAD	Y	8061004	12.46-	24	4.15-	24	GLOB	UNIF	WV	0	5
5167	LOAD	Z	8061004	12.46	05	4.15	05	GLOB	UNIF	WV	0	5
5168	LOAD	X	8061004	16.61-	19	4.15-	18	GLOB	UNIF	WV	0	5
5169	LOAD	Y	8061004	16.61-	24	4.15-	23	GLOB	UNIF	WV	0	5
5170	LOAD	Z	8061004	16.61	05	4.15	05	GLOB	UNIF	WV	0	5
5171	LOAD	X	8061004	20.76-	18	4.15-	18	GLOB	UNIF	WV	0	5
5172	LOAD	Y	8061004	20.76-	23	4.15-	23	GLOB	UNIF	WV	0	5
5173	LOAD	Z	8061004	20.76	05	4.15	05	GLOB	UNIF	WV	0	5
5174	LOAD	X	8061004	24.91-	18	4.15-	17	GLOB	UNIF	WV	0	5
5175	LOAD	Y	8061004	24.91-	23	4.15-	22	GLOB	UNIF	WV	0	5
5176	LOAD	Z	8061004	24.91	05	4.15	05	GLOB	UNIF	WV	0	5
5177	LOAD	X	8061004	29.07-	17	4.15-	13	GLOB	UNIF	WV	0	5
5178	LOAD	Y	8061004	29.07-	22	4.15-	14	GLOB	UNIF	WV	0	5
5179	LOAD	Z	8061004	29.07	05	4.15	02	GLOB	UNIF	WV	0	5
5180	LOAD	X	8061004	33.22-	13	4.15-	07	GLOB	UNIF	WV	0	5
5181	LOAD	Y	8061004	33.22-	14	4.15-	08	GLOB	UNIF	WV	0	5
5182	LOAD	Z	8061004	33.22	02	4.15	1	GLOB	UNIF	WV	0	5
5183	LOAD	X	8061004	37.37-	07	4.15-	1	GLOB	UNIF	WV	0	5
5184	LOAD	Y	8061004	37.37-	08	4.15-	1	GLOB	UNIF	WV	0	5
5185	LOAD	Z	8061004	37.37	1	4.15		GLOB	UNIF	WV	0	5
5186	LOAD	Y	10011002	0.00-	03	5.71-	03	GLOB	UNIF	WV	0	5
5187	LOAD	Y	10011002	5.71-	03	5.71-	03	GLOB	UNIF	WV	0	5
5188	LOAD	Y	10011002	11.43-	03	5.71-	04	GLOB	UNIF	WV	0	5
5189	LOAD	Y	10011002	17.14-	04	5.71-	04	GLOB	UNIF	WV	0	5
5190	LOAD	Y	10011002	22.86-	04	5.71-	04	GLOB	UNIF	WV	0	5
5191	LOAD	Y	10021003	0.00-	04	5.71-	04	GLOB	UNIF	WV	0	5
5192	LOAD	Y	10021003	5.71-	04	5.71-	05	GLOB	UNIF	WV	0	5

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
5193	LUAD	Y	10021003	11.43-	05	5.71-	04	GLUB	UNIF	WV	0 5
5194	LUAD	Y	10021003	17.14-	04	5.71-	04	GLUB	UNIF	WV	0 5
5195	LUAD	Y	10021003	22.86-	04	5.71-	04	GLUB	UNIF	WV	0 5
5196	LUAD	X	10011004	0.00-	03	5.71-	02	GLUB	UNIF	WV	0 5
5197	LUAD	Y	10011004	0.00-	02	5.71-	1	GLUB	UNIF	WV	0 5
5198	LUAD	X	10011004	5.71-	02	5.71-	02	GLUB	UNIF	WV	0 5
5199	LUAD	Y	10011004	5.71-	1	5.71-	1	GLUB	UNIF	WV	0 5
5200	LUAD	X	10011004	11.43-	02	5.71-	02	GLUB	UNIF	WV	0 5
5201	LUAD	Y	10011004	11.43-	1	5.71-	1	GLUB	UNIF	WV	0 5
5202	LUAD	X	10011004	17.14-	02	5.71-	02	GLUB	UNIF	WV	0 5
5203	LUAD	Y	10011004	17.14-	1	5.71-	1	GLUB	UNIF	WV	0 5
5204	LUAD	X	10011004	22.85-	02	5.71-	02	GLUB	UNIF	WV	0 5
5205	LUAD	Y	10011004	22.85-	1	5.71-	1	GLUB	UNIF	WV	0 5
5206	LUAD	X	10041006	0.00-	02	5.71-	1	GLUB	UNIF	WV	0 5
5207	LUAD	Y	10041006	0.00-	1	5.71-	1	GLUB	UNIF	WV	0 5
5208	LUAD	X	10041006	5.71-	1	5.71-	1	GLUB	UNIF	WV	0 5
5209	LUAD	Y	10041006	5.71-	1	5.71-	1	GLUB	UNIF	WV	0 5
5210	LUAD	X	10041006	11.43-	1	5.71-	1	GLUB	UNIF	WV	0 5
5211	LUAD	Y	10041006	11.43-	1	5.71		GLUB	UNIF	WV	0 5
5212	LUAD	X	10041006	17.14-	1	5.71-	1	GLUB	UNIF	WV	0 5
5213	LUAD	X	10041006	22.86-	1	5.71		GLUB	UNIF	WV	0 5
5214	LUAD	X	10021005	0.00-	02	5.71-	1	GLUB	UNIF	WV	0 5
5215	LUAD	Y	10021005	0.00-	1	5.71-	1	GLUB	UNIF	WV	0 5
5216	LUAD	X	10021005	5.71-	1	5.71-	1	GLUB	UNIF	WV	0 5
5217	LUAD	Y	10021005	5.71-	1	5.71-	1	GLUB	UNIF	WV	0 5
5218	LUAD	X	10021005	11.43-	1	5.71-	1	GLUB	UNIF	WV	0 5
5219	LUAD	Y	10021005	11.43-	1	5.71-	1	GLUB	UNIF	WV	0 5
5220	LUAD	X	10021005	17.14-	1	5.71-	1	GLUB	UNIF	WV	0 5
5221	LUAD	Y	10021005	17.14-	1	5.71-	1	GLUB	UNIF	WV	0 5
5222	LUAD	X	10021005	22.86-	1	5.71-	1	GLUB	UNIF	WV	0 5
5223	LUAD	Y	10021005	22.86-	1	5.71-	1	GLUB	UNIF	WV	0 5
5224	LUAD	Y	10041005	0.00-	1	5.72-	1	GLUB	UNIF	WV	0 5
5225	LUAD	Y	10041005	5.72-	1	5.72-	1	GLUB	UNIF	WV	0 5
5226	LUAD	Y	10041005	11.43-	1	5.72-	1	GLUB	UNIF	WV	0 5
5227	LUAD	Y	10041005	17.15-	1	5.72-	02	GLUB	UNIF	WV	0 5
5228	LUAD	Y	10041005	22.86-	02	5.72-	02	GLUB	UNIF	WV	0 5
5229	LUAD	X	201 301	7.90-	67	1.42-	80	GLUB	UNIF	WV	0 5
5230	LUAD	Y	201 301	7.90-	116	1.42-	139	GLUB	UNIF	WV	0 5
5231	LUAD	X	201 301	9.32-	80	1.42-	94	GLUB	UNIF	WV	0 5
5232	LUAD	Y	201 301	9.32-	139	1.42-	163	GLUB	UNIF	WV	0 5
5233	LUAD	X	201 301	10.74-	94	1.42-	100	GLUB	UNIF	WV	0 5
5234	LUAD	Y	201 301	10.74-	163	1.42-	175	GLUB	UNIF	WV	0 5
5235	LUAD	X	201 301	12.16-	100	1.42-	104	GLUB	UNIF	WV	0 5
5236	LUAD	Y	201 301	12.16-	175	1.42-	180	GLUB	UNIF	WV	0 5
5237	LUAD	X	201 301	13.58-	104	1.42-	106	GLUB	UNIF	WV	0 5
5238	LUAD	Y	201 301	13.58-	180	1.42-	187	GLUB	UNIF	WV	0 5
5239	LUAD	X	206 306	5.64-	41	1.87-	54	GLUB	UNIF	WV	0 5
5240	LUAD	Y	206 306	5.64-	71	1.87-	94	GLUB	UNIF	WV	0 5
5241	LUAD	X	206 306	7.52-	54	1.87-	68	GLUB	UNIF	WV	0 5
5242	LUAD	Y	206 306	7.52-	94	1.87-	118	GLUB	UNIF	WV	0 5

```
                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

5243	LUAD	X	206	306	9.39=	68	1.87=	81	GLUB	UNIF	WV	0	5
5244	LUAD	Y	206	306	9.39=	118	1.87=	140	GLUB	UNIF	WV	0	5
5245	LUAD	X	206	306	11.26=	81	1.87=	86	GLUB	UNIF	WV	0	5
5246	LUAD	Y	206	306	11.26=	140	1.87=	152	GLUB	UNIF	WV	0	5
5247	LUAD	X	206	306	13.13=	88	1.87=	95	GLUB	UNIF	WV	0	5
5248	LUAD	Y	206	306	13.13=	152	1.87=	154	GLUB	UNIF	WV	0	5
5249	LUAD	X	301	401	0.00=	108	5.70=	124	GLUB	UNIF	WV	0	5
5250	LUAD	Y	301	401	0.00=	187	5.70=	215	GLUB	UNIF	WV	0	5
5251	LUAD	X	301	401	5.70=	124	5.70=	127	GLUB	UNIF	WV	0	5
5252	LUAD	Y	301	401	5.70=	215	5.70=	219	GLUB	UNIF	WV	0	5
5253	LUAD	X	301	401	11.40=	127	5.70=	123	GLUB	UNIF	WV	0	5
5254	LUAD	Y	301	401	11.40=	219	5.70=	213	GLUB	UNIF	WV	0	5
5255	LUAD	X	301	401	17.10=	123	5.70=	96	GLUB	UNIF	WV	0	5
5256	LUAD	Y	301	401	17.10=	213	5.70=	167	GLUB	UNIF	WV	0	5
5257	LUAD	X	301	401	22.80=	96	5.70=	77	GLUB	UNIF	WV	0	5
5258	LUAD	Y	301	401	22.80=	167	5.70=	133	GLUB	UNIF	WV	0	5
5259	LUAD	X	303	403	1.52=	37	4.50=	96	GLUB	UNIF	WV	0	5
5260	LUAD	Y	303	403	1.52=	64	4.50=	179	GLUB	UNIF	WV	0	5
5261	LUAD	X	303	403	6.02=	96	4.50=	108	GLUB	UNIF	WV	0	5
5262	LUAD	Y	303	403	6.02=	170	4.50=	187	GLUB	UNIF	WV	0	5
5263	LUAD	X	303	403	10.51=	108	4.50=	117	GLUB	UNIF	WV	0	5
5264	LUAD	Y	303	403	10.51=	187	4.50=	203	GLUB	UNIF	WV	0	5
5265	LUAD	X	303	403	15.01=	117	4.50=	106	GLUB	UNIF	WV	0	5
5266	LUAD	Y	303	403	15.01=	203	4.50=	183	GLUB	UNIF	WV	0	5
5267	LUAD	X	303	403	19.51=	106	4.50=	89	GLUB	UNIF	WV	0	5
5268	LUAD	Y	303	403	19.51=	163	4.50=	154	GLUB	UNIF	WV	0	5
5269	LUAD	X	303	403	24.00=	89	4.50=	77	GLUB	UNIF	WV	0	5
5270	LUAD	Y	303	403	24.00=	154	4.50=	133	GLUB	UNIF	WV	0	5
5271	LUAD	X	306	406	0.00=	95	5.70=	115	GLUB	UNIF	WV	0	5
5272	LUAD	Y	306	406	0.00=	164	5.70=	199	GLUB	UNIF	WV	0	5
5273	LUAD	X	306	406	5.70=	115	5.70=	115	GLUB	UNIF	WV	0	5
5274	LUAD	Y	306	406	5.70=	199	5.70=	199	GLUB	UNIF	WV	0	5
5275	LUAD	X	306	406	11.40=	115	5.70=	109	GLUB	UNIF	WV	0	5
5276	LUAD	Y	306	406	11.40=	199	5.70=	189	GLUB	UNIF	WV	0	5
5277	LUAD	X	306	406	17.10=	109	5.70=	85	GLUB	UNIF	WV	0	5
5278	LUAD	Y	306	406	17.10=	189	5.70=	148	GLUB	UNIF	WV	0	5
5279	LUAD	X	306	406	22.80=	85	5.70=	68	GLUB	UNIF	WV	0	5
5280	LUAD	Y	306	406	22.80=	148	5.70=	118	GLUB	UNIF	WV	0	5
5281	LUAD	X	401	501	0.00=	142	.91=	139	GLUB	UNIF	WV	0	5
5282	LUAD	Y	401	501	0.00=	217	.91=	212	GLUB	UNIF	WV	0	5
5283	LUAD	Z	401	501	0.00=	02	.91=	02	GLUB	UNIF	WV	0	5
5284	LUAD	X	401	501	.91=	139	.91=	136	GLUB	UNIF	WV	0	5
5285	LUAD	Y	401	501	.91=	212	.91=	207	GLUB	UNIF	WV	0	5
5286	LUAD	Z	401	501	.91=	02	.91=	02	GLUB	UNIF	WV	0	5
5287	LUAD	X	401	501	1.83=	136	.91=	133	GLUB	UNIF	WV	0	5
5288	LUAD	Y	401	501	1.83=	207	.91=	203	GLUB	UNIF	WV	0	5
5289	LUAD	Z	401	501	1.83=	02	.91=	02	GLUB	UNIF	WV	0	5
5290	LUAD	X	401	501	2.74=	133	.91=	130	GLUB	UNIF	WV	0	5
5291	LUAD	Y	401	501	2.74=	203	.91=	198	GLUB	UNIF	WV	0	5
5292	LUAD	Z	401	501	2.74=	02	.91=	02	GLUB	UNIF	WV	0	5

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

5293	LOAD	X	401	501	3.65-	130	.91-	128	GLOB	UNIF	WV	0	5
5294	LOAD	Y	401	501	3.65-	198	.91-	193	GLOB	UNIF	WV	0	5
5295	LOAD	Z	401	501	3.65-	02	.91-	02	GLOB	UNIF	WV	0	5
5296	LOAD	X	403	503	0.00-	123	.91-	121	GLOB	UNIF	WV	0	5
5297	LOAD	Y	403	503	0.00-	229	.91-	224	GLOB	UNIF	WV	0	5
5298	LOAD	Z	403	503	0.00	37	.91	36	GLOB	UNIF	WV	0	5
5299	LOAD	X	403	503	.91-	121	.91-	116	GLOB	UNIF	WV	0	5
5300	LOAD	Y	403	503	.91-	224	.91-	219	GLOB	UNIF	WV	0	5
5301	LOAD	Z	403	503	.91	36	.91	35	GLOB	UNIF	WV	0	5
5302	LOAD	X	403	503	1.83-	116	.91-	115	GLOB	UNIF	WV	0	5
5303	LOAD	Y	403	503	1.83-	219	.91-	214	GLOB	UNIF	WV	0	5
5304	LOAD	Z	403	503	1.83	35	.91	35	GLOB	UNIF	WV	0	5
5305	LOAD	X	403	503	2.74-	115	.91-	113	GLOB	UNIF	WV	0	5
5306	LOAD	Y	403	503	2.74-	214	.91-	210	GLOB	UNIF	WV	0	5
5307	LOAD	Z	403	503	2.74	35	.91	34	GLOB	UNIF	WV	0	5
5308	LOAD	X	403	503	3.65-	113	.91-	110	GLOB	UNIF	WV	0	5
5309	LOAD	Y	403	503	3.65-	210	.91-	205	GLOB	UNIF	WV	0	5
5310	LOAD	Z	403	503	3.65	34	.91	33	GLOB	UNIF	WV	0	5
5311	LOAD	X	406	506	0.00-	106	.91-	103	GLOB	UNIF	WV	0	5
5312	LOAD	Y	406	506	0.00-	194	.91-	190	GLOB	UNIF	WV	0	5
5313	LOAD	Z	406	506	0.00-	32	.91-	32	GLOB	UNIF	WV	0	5
5314	LOAD	X	406	506	.91-	103	.91-	101	GLOB	UNIF	WV	0	5
5315	LOAD	Y	406	506	.91-	190	.91-	185	GLOB	UNIF	WV	0	5
5316	LOAD	Z	406	506	.91-	32	.91-	31	GLOB	UNIF	WV	0	5
5317	LOAD	X	406	506	1.82-	101	.91-	99	GLOB	UNIF	WV	0	5
5318	LOAD	Y	406	506	1.82-	185	.91-	181	GLOB	UNIF	WV	0	5
5319	LOAD	Z	406	506	1.82-	31	.91-	30	GLOB	UNIF	WV	0	5
5320	LOAD	X	406	506	2.74-	99	.91-	96	GLOB	UNIF	WV	0	5
5321	LOAD	Y	406	506	2.74-	181	.91-	177	GLOB	UNIF	WV	0	5
5322	LOAD	Z	406	506	2.74-	30	.91-	29	GLOB	UNIF	WV	0	5
5323	LOAD	X	406	506	3.65-	96	.91-	94	GLOB	UNIF	WV	0	5
5324	LOAD	Y	406	506	3.65-	177	.91-	173	GLOB	UNIF	WV	0	5
5325	LOAD	Z	406	506	3.65-	29	.91-	29	GLOB	UNIF	WV	0	5
5326	LOAD	X	501	601	0.00-	126	1.22-	122	GLOB	UNIF	WV	0	5
5327	LOAD	Y	501	601	0.00-	191	1.22-	185	GLOB	UNIF	WV	0	5
5328	LOAD	Z	501	601	0.00-	02	1.22-	02	GLOB	UNIF	WV	0	5
5329	LOAD	X	501	601	1.22-	122	1.22-	116	GLOB	UNIF	WV	0	5
5330	LOAD	Y	501	601	1.22-	185	1.22-	179	GLOB	UNIF	WV	0	5
5331	LOAD	Z	501	601	1.22-	02	1.22-	02	GLOB	UNIF	WV	0	5
5332	LOAD	X	501	601	2.43-	118	1.22-	115	GLOB	UNIF	WV	0	5
5333	LOAD	Y	501	601	2.43-	179	1.22-	174	GLOB	UNIF	WV	0	5
5334	LOAD	Z	501	601	2.43-	02	1.22-	02	GLOB	UNIF	WV	0	5
5335	LOAD	X	501	601	3.65-	115	1.22-	112	GLOB	UNIF	WV	0	5
5336	LOAD	Y	501	601	3.65-	174	1.22-	170	GLOB	UNIF	WV	0	5
5337	LOAD	Z	501	601	3.65-	02	1.22-	02	GLOB	UNIF	WV	0	5
5338	LOAD	X	501	601	4.87-	112	1.22-	110	GLOB	UNIF	WV	0	5
5339	LOAD	Y	501	601	4.87-	170	1.22-	165	GLOB	UNIF	WV	0	5
5340	LOAD	Z	501	601	4.87-	02	1.22-	02	GLOB	UNIF	WV	0	5
5341	LOAD	X	503	603	0.00-	109	1.22-	105	GLOB	UNIF	WV	0	5
5342	LOAD	Y	503	603	0.00-	202	1.22-	196	GLOB	UNIF	WV	0	5

LINE NO.	1...5....0....5	....0....5....0....5....0....5....0				.5....0....5....0....5....0....5....0	....5....0
5343	LOAD Z	505 605	0.00	32	1.22	31	GLOB UNIF	WV 0 5
5344	LOAD X	505 605	1.22-	105	1.22-	102	GLOB UNIF	WV 0 5
5345	LOAD Y	505 605	1.22-	196	1.22-	190	GLOB UNIF	WV 0 5
5346	LOAD Z	505 605	1.22	31	1.22	30	GLOB UNIF	WV 0 5
5347	LOAD X	505 605	2.43-	102	1.22-	99	GLOB UNIF	WV 0 5
5348	LOAD Y	505 605	2.43-	190	1.22-	184	GLOB UNIF	WV 0 5
5349	LOAD Z	505 605	2.43	30	1.22	29	GLOB UNIF	WV 0 5
5350	LOAD X	505 605	3.65-	99	1.22-	96	GLOB UNIF	WV 0 5
5351	LOAD Y	505 605	3.65-	184	1.22-	180	GLOB UNIF	WV 0 5
5352	LOAD Z	505 605	3.65	29	1.22	29	GLOB UNIF	WV 0 5
5353	LOAD X	505 605	4.87-	96	1.22-	94	GLOB UNIF	WV 0 5
5354	LOAD Y	505 605	4.87-	180	1.22-	176	GLOB UNIF	WV 0 5
5355	LOAD Z	505 605	4.87	29	1.22	28	GLOB UNIF	WV 0 5
5356	LOAD X	506 606	0.00-	93	1.22-	90	GLOB UNIF	WV 0 5
5357	LOAD Y	506 606	0.00-	171	1.22-	166	GLOB UNIF	WV 0 5
5358	LOAD Z	506 606	0.00-	28	1.22-	26	GLOB UNIF	WV 0 5
5359	LOAD X	506 606	1.22-	90	1.22-	87	GLOB UNIF	WV 0 5
5360	LOAD Y	506 606	1.22-	166	1.22-	160	GLOB UNIF	WV 0 5
5361	LOAD Z	506 606	1.22-	28	1.22-	27	GLOB UNIF	WV 0 5
5362	LOAD X	506 606	2.43-	87	1.22-	84	GLOB UNIF	WV 0 5
5363	LOAD Y	506 606	2.43-	160	1.22-	156	GLOB UNIF	WV 0 5
5364	LOAD Z	506 606	2.43-	27	1.22-	26	GLOB UNIF	WV 0 5
5365	LOAD X	506 606	3.65-	84	1.22-	82	GLOB UNIF	WV 0 5
5366	LOAD Y	506 606	3.65-	156	1.22-	152	GLOB UNIF	WV 0 5
5367	LOAD Z	506 606	3.65-	26	1.22-	25	GLOB UNIF	WV 0 5
5368	LOAD X	506 606	4.87-	82	1.22-	80	GLOB UNIF	WV 0 5
5369	LOAD Y	506 606	4.87-	152	1.22-	148	GLOB UNIF	WV 0 5
5370	LOAD Z	506 606	4.87-	25	1.22-	25	GLOB UNIF	WV 0 5
5371	LOAD X	601 631	0.00-	110	1.22-	107	GLOB UNIF	WV 0 5
5372	LOAD Y	601 631	0.00-	165	1.22-	161	GLOB UNIF	WV 0 5
5373	LOAD Z	601 631	0.00-	02	1.22-	02	GLOB UNIF	WV 0 5
5374	LOAD X	601 631	1.22-	107	1.22-	104	GLOB UNIF	WV 0 5
5375	LOAD Y	601 631	1.22-	161	1.22-	157	GLOB UNIF	WV 0 5
5376	LOAD Z	601 631	1.22-	02	1.22-	02	GLOB UNIF	WV 0 5
5377	LOAD X	601 631	2.43-	104	1.22-	102	GLOB UNIF	WV 0 5
5378	LOAD Y	601 631	2.43-	157	1.22-	153	GLOB UNIF	WV 0 5
5379	LOAD Z	601 631	2.43-	02	1.22-	02	GLOB UNIF	WV 0 5
5380	LOAD X	601 631	3.65-	102	1.22-	99	GLOB UNIF	WV 0 5
5381	LOAD Y	601 631	3.65-	153	1.22-	149	GLOB UNIF	WV 0 5
5382	LOAD Z	601 631	3.65-	02	1.22-	02	GLOB UNIF	WV 0 5
5383	LOAD X	601 631	4.87-	99	1.22-	96	GLOB UNIF	WV 0 5
5384	LOAD Y	601 631	4.87-	149	1.22-	144	GLOB UNIF	WV 0 5
5385	LOAD Z	601 631	4.87-	02	1.22-	02	GLOB UNIF	WV 0 5
5386	LOAD X	603 633	0.00-	94	1.22-	92	GLOB UNIF	WV 0 5
5387	LOAD Y	603 633	0.00-	176	1.22-	172	GLOB UNIF	WV 0 5
5388	LOAD Z	603 633	0.00	28	1.22	28	GLOB UNIF	WV 0 5
5389	LOAD X	603 633	1.22-	92	1.22-	90	GLOB UNIF	WV 0 5
5390	LOAD Y	603 633	1.22-	172	1.22-	168	GLOB UNIF	WV 0 5
5391	LOAD Z	603 633	1.22	28	1.22	27	GLOB UNIF	WV 0 5
5392	LOAD X	603 633	2.43-	90	1.22-	87	GLOB UNIF	WV 0 5

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
5393	LOAD	Y	603	633	2.43-	168	1.22-	164	GLOB	UNIF	WV 0 5
5394	LOAD	Z	603	633	2.43	27	1.22	26	GLOB	UNIF	WV 0 5
5395	LOAD	X	603	633	3.65-	87	1.22-	85	GLOB	UNIF	WV 0 5
5396	LOAD	Y	603	633	3.65-	164	1.22-	160	GLOB	UNIF	WV 0 5
5397	LOAD	Z	603	633	3.65	26	1.22	26	GLOB	UNIF	WV 0 5
5398	LOAD	X	603	633	4.87-	85	1.22-	83	GLOB	UNIF	WV 0 5
5399	LOAD	Y	603	633	4.87-	160	1.22-	156	GLOB	UNIF	WV 0 5
5400	LOAD	Z	603	633	4.87	26	1.22	25	GLOB	UNIF	WV 0 5
5401	LOAD	X	606	636	0.00-	80	1.22-	78	GLOB	UNIF	WV 0 5
5402	LOAD	Y	606	636	0.00-	148	1.22-	144	GLOB	UNIF	WV 0 5
5403	LOAD	Z	606	636	0.00-	25	1.22-	24	GLOB	UNIF	WV 0 5
5404	LOAD	X	606	636	1.22-	78	1.22-	76	GLOB	UNIF	WV 0 5
5405	LOAD	Y	606	636	1.22-	144	1.22-	140	GLOB	UNIF	WV 0 5
5406	LOAD	Z	606	636	1.22-	24	1.22-	23	GLOB	UNIF	WV 0 5
5407	LOAD	X	606	636	2.43-	76	1.22-	74	GLOB	UNIF	WV 0 5
5408	LOAD	Y	606	636	2.43-	140	1.22-	136	GLOB	UNIF	WV 0 5
5409	LOAD	Z	606	636	2.43-	23	1.22-	23	GLOB	UNIF	WV 0 5
5410	LOAD	X	606	636	3.65-	74	1.22-	72	GLOB	UNIF	WV 0 5
5411	LOAD	Y	606	636	3.65-	136	1.22-	132	GLOB	UNIF	WV 0 5
5412	LOAD	Z	606	636	3.65-	23	1.22-	22	GLOB	UNIF	WV 0 5
5413	LOAD	X	606	636	4.87-	72	1.22-	69	GLOB	UNIF	WV 0 5
5414	LOAD	Y	606	636	4.87-	132	1.22-	129	GLOB	UNIF	WV 0 5
5415	LOAD	Z	606	636	4.87-	22	1.22-	21	GLOB	UNIF	WV 0 5
5416	LOAD	X	631	651	0.00-	151	1.22-	147	GLOB	UNIF	WV 0 5
5417	LOAD	Y	631	651	0.00-	215	1.22-	209	GLOB	UNIF	WV 0 5
5418	LOAD	Z	631	651	0.00-	04	1.22-	04	GLOB	UNIF	WV 0 5
5419	LOAD	X	631	651	1.22-	147	1.22-	144	GLOB	UNIF	WV 0 5
5420	LOAD	Y	631	651	1.22-	209	1.22-	205	GLOB	UNIF	WV 0 5
5421	LOAD	Z	631	651	1.22-	04	1.22-	03	GLOB	UNIF	WV 0 5
5422	LOAD	X	631	651	2.43-	144	1.22-	141	GLOB	UNIF	WV 0 5
5423	LOAD	Y	631	651	2.43-	205	1.22-	201	GLOB	UNIF	WV 0 5
5424	LOAD	Z	631	651	2.43-	03	1.22-	03	GLOB	UNIF	WV 0 5
5425	LOAD	X	631	651	3.65-	141	1.22-	138	GLOB	UNIF	WV 0 5
5426	LOAD	Y	631	651	3.65-	201	1.22-	196	GLOB	UNIF	WV 0 5
5427	LOAD	Z	631	651	3.65-	03	1.22-	03	GLOB	UNIF	WV 0 5
5428	LOAD	X	631	651	4.87-	138	1.22-	135	GLOB	UNIF	WV 0 5
5429	LOAD	Y	631	651	4.87-	196	1.22-	192	GLOB	UNIF	WV 0 5
5430	LOAD	Z	631	651	4.87-	03	1.22-	03	GLOB	UNIF	WV 0 5
5431	LOAD	X	633	653	0.00-	130	1.22-	127	GLOB	UNIF	WV 0 5
5432	LOAD	Y	633	653	0.00-	249	1.22-	242	GLOB	UNIF	WV 0 5
5433	LOAD	Z	633	653	0.00	39	1.22	38	GLOB	UNIF	WV 0 5
5434	LOAD	X	633	653	1.22-	127	1.22-	124	GLOB	UNIF	WV 0 5
5435	LOAD	Y	633	653	1.22-	242	1.22-	236	GLOB	UNIF	WV 0 5
5436	LOAD	Z	633	653	1.22	38	1.22	38	GLOB	UNIF	WV 0 5
5437	LOAD	X	633	653	2.43-	124	1.22-	121	GLOB	UNIF	WV 0 5
5438	LOAD	Y	633	653	2.43-	236	1.22-	233	GLOB	UNIF	WV 0 5
5439	LOAD	Z	633	653	2.43	38	1.22	37	GLOB	UNIF	WV 0 5
5440	LOAD	X	633	653	3.65-	121	1.22-	119	GLOB	UNIF	WV 0 5
5441	LOAD	Y	633	653	3.65-	233	1.22-	228	GLOB	UNIF	WV 0 5
5442	LOAD	Z	633	653	3.65	37	1.22	36	GLOB	UNIF	WV 0 5

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

5443	LOAD	X	653 653	4,07=	119	1,22=	110	GLOB	UNIF	WV	0	5
5444	LOAD	Y	653 653	4,07=	228	1,22=	223	GLOB	UNIF	WV	0	5
5445	LOAD	Z	653 653	4,07	36	1,22	35	GLOB	UNIF	WV	0	5
5446	LOAD	X	656 656	0,00=	95	1,22=	92	GLOB	UNIF	WV	0	5
5447	LOAD	Y	656 656	0,00=	184	1,22=	179	GLOB	UNIF	WV	0	5
5448	LOAD	Z	656 656	0,00=	31	1,22=	30	GLOB	UNIF	WV	0	5
5449	LOAD	X	656 656	1,22=	92	1,22=	90	GLOB	UNIF	WV	0	5
5450	LOAD	Y	656 656	1,22=	179	1,22=	175	GLOB	UNIF	WV	0	5
5451	LOAD	Z	656 656	1,22=	30	1,22=	29	GLOB	UNIF	WV	0	5
5452	LOAD	X	656 656	2,43=	90	1,22=	88	GLOB	UNIF	WV	0	5
5453	LOAD	Y	656 656	2,43=	175	1,22=	170	GLOB	UNIF	WV	0	5
5454	LOAD	Z	656 656	2,43=	29	1,22=	28	GLOB	UNIF	WV	0	5
5455	LOAD	X	656 656	3,65=	88	1,22=	85	GLOB	UNIF	WV	0	5
5456	LOAD	Y	656 656	3,65=	170	1,22=	166	GLOB	UNIF	WV	0	5
5457	LOAD	Z	656 656	3,65=	28	1,22=	28	GLOB	UNIF	WV	0	5
5458	LOAD	X	656 656	4,87=	85	1,22=	83	GLOB	UNIF	WV	0	5
5459	LOAD	Y	656 656	4,87=	166	1,22=	161	GLOB	UNIF	WV	0	5
5460	LOAD	Z	656 656	4,87=	28	1,22=	27	GLOB	UNIF	WV	0	5
5461	LOAD	X	651 701	0,00=	135	1,42=	132	GLOB	UNIF	WV	0	5
5462	LOAD	Y	651 701	0,00=	192	1,42=	187	GLOB	UNIF	WV	0	5
5463	LOAD	Z	651 701	0,00=	04	1,42=	04	GLOB	UNIF	WV	0	5
5464	LOAD	X	651 701	1,42=	132	1,42=	128	GLOB	UNIF	WV	0	5
5465	LOAD	Y	651 701	1,42=	187	1,42=	182	GLOB	UNIF	WV	0	5
5466	LOAD	Z	651 701	1,42=	04	1,42=	04	GLOB	UNIF	WV	0	5
5467	LOAD	X	651 701	2,84=	128	1,42=	125	GLOB	UNIF	WV	0	5
5468	LOAD	Y	651 701	2,84=	182	1,42=	177	GLOB	UNIF	WV	0	5
5469	LOAD	Z	651 701	2,84=	04	1,42=	03	GLOB	UNIF	WV	0	5
5470	LOAD	X	651 701	4,26=	125	1,42=	122	GLOB	UNIF	WV	0	5
5471	LOAD	Y	651 701	4,26=	177	1,42=	173	GLOB	UNIF	WV	0	5
5472	LOAD	Z	651 701	4,26=	03	1,42=	03	GLOB	UNIF	WV	0	5
5473	LOAD	X	651 701	5,68=	122	1,42=	119	GLOB	UNIF	WV	0	5
5474	LOAD	Y	651 701	5,68=	173	1,42=	169	GLOB	UNIF	WV	0	5
5475	LOAD	Z	651 701	5,68=	03	1,42=	03	GLOB	UNIF	WV	0	5
5476	LOAD	X	653 703	0,00=	116	1,42=	113	GLOB	UNIF	WV	0	5
5477	LOAD	Y	653 703	0,00=	223	1,42=	217	GLOB	UNIF	WV	0	5
5478	LOAD	Z	653 703	0,00	35	1,42	34	GLOB	UNIF	WV	0	5
5479	LOAD	X	653 703	1,42=	113	1,42=	110	GLOB	UNIF	WV	0	5
5480	LOAD	Y	653 703	1,42=	217	1,42=	211	GLOB	UNIF	WV	0	5
5481	LOAD	Z	653 703	1,42	34	1,42	33	GLOB	UNIF	WV	0	5
5482	LOAD	X	653 703	2,84=	110	1,42=	107	GLOB	UNIF	WV	0	5
5483	LOAD	Y	653 703	2,84=	211	1,42=	206	GLOB	UNIF	WV	0	5
5484	LOAD	Z	653 703	2,84	33	1,42	33	GLOB	UNIF	WV	0	5
5485	LOAD	X	653 703	4,26=	107	1,42=	104	GLOB	UNIF	WV	0	5
5486	LOAD	Y	653 703	4,26=	206	1,42=	200	GLOB	UNIF	WV	0	5
5487	LOAD	Z	653 703	4,26	33	1,42	32	GLOB	UNIF	WV	0	5
5488	LOAD	X	653 703	5,68=	104	1,42=	102	GLOB	UNIF	WV	0	5
5489	LOAD	Y	653 703	5,68=	200	1,42=	196	GLOB	UNIF	WV	0	5
5490	LOAD	Z	653 703	5,68	32	1,42	31	GLOB	UNIF	WV	0	5
5491	LOAD	X	656 706	0,00=	83	1,42=	80	GLOB	UNIF	WV	0	5
5492	LOAD	Y	656 706	0,00=	161	1,42=	156	GLOB	UNIF	WV	0	5

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0											
5493	LOAD	Z	656	706	0.00=	27	1.42=	26	GLOB	UNIF	WV	0 5
5494	LOAD	X	656	706	1.42=	80	1.42=	78	GLOB	UNIF	WV	0 5
5495	LOAD	Y	656	706	1.42=	156	1.42=	151	GLOB	UNIF	WV	0 5
5496	LOAD	Z	656	706	1.42=	26	1.42=	25	GLOB	UNIF	WV	0 5
5497	LOAD	X	656	706	2.84=	78	1.42=	75	GLOB	UNIF	WV	0 5
5498	LOAD	Y	656	706	2.84=	151	1.42=	146	GLOB	UNIF	WV	0 5
5499	LOAD	Z	656	706	2.84=	25	1.42=	24	GLOB	UNIF	WV	0 5
5500	LOAD	X	656	706	4.26=	75	1.42=	73	GLOB	UNIF	WV	0 5
5501	LOAD	Y	656	706	4.26=	146	1.42=	142	GLOB	UNIF	WV	0 5
5502	LOAD	Z	656	706	4.26=	24	1.42=	24	GLOB	UNIF	WV	0 5
5503	LOAD	X	656	706	5.68=	73	1.42=	71	GLOB	UNIF	WV	0 5
5504	LOAD	Y	656	706	5.68=	142	1.42=	138	GLOB	UNIF	WV	0 5
5505	LOAD	Z	656	706	5.68=	24	1.42=	23	GLOB	UNIF	WV	0 5
5506	LOAD	X	701	801	0.00=	111	6.89=	99	GLOB	UNIF	WV	0 5
5507	LOAD	Y	701	801	0.00=	160	6.89=	142	GLOB	UNIF	WV	0 5
5508	LOAD	Z	701	801	0.00=	03	6.89=	02	GLOB	UNIF	WV	0 5
5509	LOAD	X	701	801	6.89=	99	6.89=	89	GLOB	UNIF	WV	0 5
5510	LOAD	Y	701	801	6.89=	142	6.89=	128	GLOB	UNIF	WV	0 5
5511	LOAD	Z	701	801	6.89=	02	6.89=	02	GLOB	UNIF	WV	0 5
5512	LOAD	X	701	801	13.79=	89	6.89=	80	GLOB	UNIF	WV	0 5
5513	LOAD	Y	701	801	13.79=	128	6.89=	116	GLOB	UNIF	WV	0 5
5514	LOAD	Z	701	801	13.79=	02	6.89=	02	GLOB	UNIF	WV	0 5
5515	LOAD	X	701	801	20.68=	80	6.89=	70	GLOB	UNIF	WV	0 5
5516	LOAD	Y	701	801	20.68=	116	6.89=	104	GLOB	UNIF	WV	0 5
5517	LOAD	Z	701	801	20.68=	02	6.89=	1	GLOB	UNIF	WV	0 5
5518	LOAD	X	701	801	27.57=	70	6.89=	65	GLOB	UNIF	WV	0 5
5519	LOAD	Y	701	801	27.57=	104	6.89=	97	GLOB	UNIF	WV	0 5
5520	LOAD	Z	701	801	27.57=	1	6.89=	1	GLOB	UNIF	WV	0 5
5521	LOAD	X	703	803	0.00=	96	6.89=	85	GLOB	UNIF	WV	0 5
5522	LOAD	Y	703	803	0.00=	183	6.89=	164	GLOB	UNIF	WV	0 5
5523	LOAD	Z	703	803	0.00	29	6.89	26	GLOB	UNIF	WV	0 5
5524	LOAD	X	703	803	6.89=	85	6.89=	78	GLOB	UNIF	WV	0 5
5525	LOAD	Y	703	803	6.89=	164	6.89=	149	GLOB	UNIF	WV	0 5
5526	LOAD	Z	703	803	6.89	26	6.89	24	GLOB	UNIF	WV	0 5
5527	LOAD	X	703	803	13.79=	78	6.89=	72	GLOB	UNIF	WV	0 5
5528	LOAD	Y	703	803	13.79=	149	6.89=	136	GLOB	UNIF	WV	0 5
5529	LOAD	Z	703	803	13.79	24	6.89	22	GLOB	UNIF	WV	0 5
5530	LOAD	X	703	803	20.68=	72	6.89=	65	GLOB	UNIF	WV	0 5
5531	LOAD	Y	703	803	20.68=	136	6.89=	123	GLOB	UNIF	WV	0 5
5532	LOAD	Z	703	803	20.68	22	6.89	20	GLOB	UNIF	WV	0 5
5533	LOAD	X	703	803	27.57=	65	6.89=	61	GLOB	UNIF	WV	0 5
5534	LOAD	Y	703	803	27.57=	123	6.89=	116	GLOB	UNIF	WV	0 5
5535	LOAD	Z	703	803	27.57	20	6.89	18	GLOB	UNIF	WV	0 5
5536	LOAD	X	706	806	0.00=	69	6.89=	60	GLOB	UNIF	WV	0 5
5537	LOAD	Y	706	806	0.00=	133	6.89=	116	GLOB	UNIF	WV	0 5
5538	LOAD	Z	706	806	0.00=	22	6.89=	19	GLOB	UNIF	WV	0 5
5539	LOAD	X	706	806	6.89=	60	6.89=	53	GLOB	UNIF	WV	0 5
5540	LOAD	Y	706	806	6.89=	116	6.89=	103	GLOB	UNIF	WV	0 5
5541	LOAD	Z	706	806	6.89=	19	6.89=	17	GLOB	UNIF	WV	0 5
5542	LOAD	X	706	806	13.79=	53	6.89=	48	GLOB	UNIF	WV	0 5

LINE NO.												
5543	LOAD	Y	706 806	13.79-	103	6.89-	91	GLOB	UNIF	WV	0	5
5544	LOAD	Z	706 806	13.79-	17	6.89-	15	GLOB	UNIF	WV	0	5
5545	LOAD	X	706 806	20.68-	46	6.89-	42	GLOB	UNIF	WV	0	5
5546	LOAD	Y	706 806	20.68-	91	6.89-	80	GLOB	UNIF	WV	0	5
5547	LOAD	Z	706 806	20.68-	15	6.89-	13	GLOB	UNIF	WV	0	5
5548	LOAD	X	706 806	27.58-	42	6.89-	36	GLOB	UNIF	WV	0	5
5549	LOAD	Y	706 806	27.58-	80	6.89-	72	GLOB	UNIF	WV	0	5
5550	LOAD	Z	706 806	27.58-	13	6.89-	12	GLOB	UNIF	WV	0	5
5551	LOAD	X	8011001	0.00-	65	3.83-	62	GLOB	UNIF	WV	0	5
5552	LOAD	Y	8011001	0.00-	97	3.83-	94	GLOB	UNIF	WV	0	5
5553	LOAD	Z	8011001	0.00-	1	3.83-	1	GLOB	UNIF	WV	0	5
5554	LOAD	X	8011001	3.83-	62	3.83-	59	GLOB	UNIF	WV	0	5
5555	LOAD	Y	8011001	3.83-	94	3.83-	90	GLOB	UNIF	WV	0	5
5556	LOAD	Z	8011001	3.83-	1	3.83-	1	GLOB	UNIF	WV	0	5
5557	LOAD	X	8011001	7.66-	59	3.83-	56	GLOB	UNIF	WV	0	5
5558	LOAD	Y	8011001	7.66-	90	3.83-	87	GLOB	UNIF	WV	0	5
5559	LOAD	Z	8011001	7.66-	1	3.83-	1	GLOB	UNIF	WV	0	5
5560	LOAD	X	8011001	11.49-	56	3.83-	53	GLOB	UNIF	WV	0	5
5561	LOAD	Y	8011001	11.49-	87	3.83-	84	GLOB	UNIF	WV	0	5
5562	LOAD	Z	8011001	11.49-	1	3.83-	1	GLOB	UNIF	WV	0	5
5563	LOAD	X	8011001	15.32-	53	3.83-	51	GLOB	UNIF	WV	0	5
5564	LOAD	Y	8011001	15.32-	84	3.83-	82	GLOB	UNIF	WV	0	5
5565	LOAD	Z	8011001	15.32-	1	3.83-	1	GLOB	UNIF	WV	0	5
5566	LOAD	X	8011001	19.15-	51	3.83-	49	GLOB	UNIF	WV	0	5
5567	LOAD	Y	8011001	19.15-	82	3.83-	80	GLOB	UNIF	WV	0	5
5568	LOAD	Z	8011001	19.15-	1	3.83		GLOB	UNIF	WV	0	5
5569	LOAD	X	8011001	22.98-	49	3.83-	36	GLOB	UNIF	WV	0	5
5570	LOAD	Y	8011001	22.98-	80	3.83-	66	GLOB	UNIF	WV	0	5
5571	LOAD	X	8011001	26.81-	36	3.83-	23	GLOB	UNIF	WV	0	5
5572	LOAD	Y	8011001	26.81-	66	3.83-	42	GLOB	UNIF	WV	0	5
5573	LOAD	X	8011001	30.64-	23	3.83-	10	GLOB	UNIF	WV	0	5
5574	LOAD	Y	8011001	30.64-	42	3.83-	17	GLOB	UNIF	WV	0	5
5575	LOAD	X	8031003	0.00-	61	4.92-	59	GLOB	UNIF	WV	0	5
5576	LOAD	Y	8031003	0.00-	116	4.92-	110	GLOB	UNIF	WV	0	5
5577	LOAD	Z	8031003	0.00	18	4.92	16	GLOB	UNIF	WV	0	5
5578	LOAD	X	8031003	4.92-	59	4.92-	57	GLOB	UNIF	WV	0	5
5579	LOAD	Y	8031003	4.92-	110	4.92-	105	GLOB	UNIF	WV	0	5
5580	LOAD	Z	8031003	4.92	18	4.92	17	GLOB	UNIF	WV	0	5
5581	LOAD	X	8031003	9.85-	57	4.92-	54	GLOB	UNIF	WV	0	5
5582	LOAD	Y	8031003	9.85-	105	4.92-	100	GLOB	UNIF	WV	0	5
5583	LOAD	Z	8031003	9.85	17	4.92	16	GLOB	UNIF	WV	0	5
5584	LOAD	X	8031003	14.77-	54	4.92-	53	GLOB	UNIF	WV	0	5
5585	LOAD	Y	8031003	14.77-	100	4.92-	97	GLOB	UNIF	WV	0	5
5586	LOAD	Z	8031003	14.77	16	4.92	16	GLOB	UNIF	WV	0	5
5587	LOAD	X	8031003	19.70-	53	4.92-	51	GLOB	UNIF	WV	0	5
5588	LOAD	Y	8031003	19.70-	97	4.92-	92	GLOB	UNIF	WV	0	5
5589	LOAD	Z	8031003	19.70	16	4.92	15	GLOB	UNIF	WV	0	5
5590	LOAD	X	8031003	24.62-	51	4.92-	36	GLOB	UNIF	WV	0	5
5591	LOAD	Y	8031003	24.62-	92	4.92-	65	GLOB	UNIF	WV	0	5
5592	LOAD	Z	8031003	24.62	15	4.92	11	GLOB	UNIF	WV	0	5

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         ____________1____1____2____2____3____3____4____4____5____5____6____6____7____7____8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  5593   LOAD X  8031003   29.54-    36   4.92-   21                GLOB UNIF     WV 0 5
  5594   LOAD Y  8031003   29.54-    65   4.92-   36                GLOB UNIF     WV 0 5
  5595   LOAD Z  8031003   29.54     11   4.92    06                GLOB UNIF     WV 0 5
  5596   LOAD X  8061006    0.00-    36   4.31-   36                GLOB UNIF     WV 0 5
  5597   LOAD Y  8061006    0.00-    72   4.31-   67                GLOB UNIF     WV 0 5
  5598   LOAD Z  8061006    0.00-    12   4.31-   11                GLOB UNIF     WV 0 5
  5599   LOAD X  8061006    4.31-    36   4.31-   34                GLOB UNIF     WV 0 5
  5600   LOAD Y  8061006    4.31-    67   4.31-   62                GLOB UNIF     WV 0 5
  5601   LOAD Z  8061006    4.31-    11   4.31-   10                GLOB UNIF     WV 0 5
  5602   LOAD X  8061006    8.62-    34   4.31-   31                GLOB UNIF     WV 0 5
  5603   LOAD Y  8061006    8.62-    62   4.31-   57                GLOB UNIF     WV 0 5
  5604   LOAD Z  8061006    8.62-    10   4.31-   09                GLOB UNIF     WV 0 5
  5605   LOAD X  8061006   12.93-    31   4.31-   30                GLOB UNIF     WV 0 5
  5606   LOAD Y  8061006   12.93-    57   4.31-   53                GLOB UNIF     WV 0 5
  5607   LOAD Z  8061006   12.93-    09   4.31-   09                GLOB UNIF     WV 0 5
  5608   LOAD X  8061006   17.23-    30   4.31-   28                GLOB UNIF     WV 0 5
  5609   LOAD Y  8061006   17.23-    53   4.31-   50                GLOB UNIF     WV 0 5
  5610   LOAD Z  8061006   17.23-    09   4.31-   08                GLOB UNIF     WV 0 5
  5611   LOAD X  8061006   21.54-    28   4.31-   22                GLOB UNIF     WV 0 5
  5612   LOAD Y  8061006   21.54-    50   4.31-   40                GLOB UNIF     WV 0 5
  5613   LOAD Z  8061006   21.54-    08   4.31-   07                GLOB UNIF     WV 0 5
  5614   LOAD X  8061006   25.85-    22   4.31-   06                GLOB UNIF     WV 0 5
  5615   LOAD Y  8061006   25.85-    40   4.31-   12                GLOB UNIF     WV 0 5
  5616   LOAD Z  8061006   25.85-    07   4.31-   02                GLOB UNIF     WV 0 5
  5617   LOAD X  8061006   30.16-    06   1.75                      GLOB UNIF     WV 0 5
  5618   LOAD X  8061006   31.91          2.56    09                GLOB UNIF     WV 0 5
  5619   LOAD Y  8061006   30.16-    12   1.06                      GLOB UNIF     WV 0 5
  5620   LOAD Y  8061006   32.01          2.45    16                GLOB UNIF     WV 0 5
  5621   LOAD Z  8061006   30.16-    02   1.67                      GLOB UNIF     WV 0 5
  5622   LOAD Z  8061006   32.03          2.44    03                GLOB UNIF     WV 0 5
  5623   END
```

```
NO. OF WARNING ERRORS =  5?

NO. OF FATAL ERRORS =  0

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   1     JS= 101     JE= 102

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   2     JS= 102     JE= 103

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   3     JS= 103     JE= 105

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   4     JS= 105     JE= 106

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   5     JS= 101     JE= 104

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   6     JS= 104     JE= 106

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   7     JS= 102     JE= 104

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   8     JS= 102     JE= 105

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=   9     JS= 104     JE= 105

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  10     JS= 201     JE= 202

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  11     JS= 202     JE= 203

*** WARNING NO. SL. 7 ***
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*** WARNING-NO. SL. 7-***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED

MEMBER=  12     JS= 203     JE= 205

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  13     JS= 205     JE= 206

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  14     JS= 201     JE= 204

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  15     JS= 204     JE= 206

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  16     JS= 202     JE= 204

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  17     JS= 202     JE= 205

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  18     JS= 204     JE= 205

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  36     JS= 501     JE= 507

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  37     JS= 507     JE= 510

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  38     JS= 503     JE= 508

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  39     JS= 508     JE= 511

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  40     JS= 506     JE= 509

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  41     JS= 509     JE= 512
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MEMBER=  72     JS= 701     JE= 707

 *** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  73     JS= 707     JE= 710

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  74     JS= 703     JE= 708

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  75     JS= 708     JE= 711

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  76     JS= 706     JE= 709

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  77     JS= 709     JE= 712

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  90     JS= 801     JE= 807

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  91     JS= 807     JE= 810

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  92     JS= 803     JE= 808

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  93     JS= 808     JE= 811

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  94     JS= 806     JE= 809

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER=  95     JS= 809     JE= 812

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 111     JS=1001     JE=1007

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.
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```
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 112      JS=1007      JE=1010

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 113      JS=1003      JE=1006

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 114      JS=1008      JE=1011

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 115      JS=1006      JE=1009

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 116      JS=1009      JE=1012

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 147      JS= 401      JE= 510

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 148      JS= 403      JE= 511

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 149      JS= 406      JE= 512

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 150      JS= 510      JE= 710

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 151      JS= 511      JE= 711

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 152      JS= 512      JE= 712

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 153      JS= 710      JE= 810

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 154      JS= 711      JE= 811

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.
```

```
*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED

MEMBER= 156     JS= 610     JE=1010

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 157     JS= 611     JE=1011

*** WARNING NO. SL. 7 ***
THE MEMBER BELOW HAS A DIAMETER = 0 AND HAS BEEN SKIPPED.

MEMBER= 158     JS= 612     JE=1012
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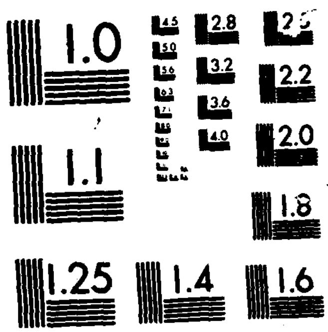
AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR 5/8
COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA
OK SEP 76 27-771-94 N62477-76-C-0179

UNCLASSIFIED F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART

APPENDIX B.2

STRAN - 50 Year Storm

6000 REMOTE BATCH

STRAH

UNITED COMPUTING 67, APEX/SL B.7.0

05.06.17.   08/31/76.

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PPPPPPPPPPP   UU          UU  YY          YY  ZZZZZZZZZZZZ   QQQQQQQQQQ   RRRRRRRRRRR   UU          UU
PPPPPPPPPPPP  UU          UU  YY          YY  ZZZZZZZZZZZZ  QQQQQQQQQQQQ  RRRRRRRRRRRR  UU          UU
PP        PP  UU          UU  YY          YY  Z         ZZ  QQ        QQ  RR        RR  UU          UU
PP        PP  UU          UU  YY          YY           ZZ   QQ        QQ  RR        RR  UU          UU
PP        PP  UU          UU  YY          YY          ZZ    QQ        QQ  RR        RR  UU          UU
PP        PP  UU          UU  YY          YY         ZZ     QQ        QQ  RR        RR  UU          UU
PPPPPPPPPPPP  UU          UU  YYY        YYY        ZZ      QQ        QQ  RR        RR  UU          UU
PPPPPPPPPPP   UU          UU   YYY      YYY      ZZZZZZZ    QQ        QQ  RRRRRRRRRRRR  UU          UU
PP            UU          UU    YYY    YYY         ZZ       QQ        QQ  RRRRRRRRRRR   UU          UU
PP            UU          UU      YYYY            ZZ        QQ        QQ  RR   RR       UU          UU
PP            UU          UU       YY            ZZ         QQ        QQ  RR    RR      UU          UU
PP            UU          UU       YY           ZZ          QQ   QQ   QQ  RR     RR     UU          UU
PP            UU          UU       YY          ZZ           QQ    QQ  QQ  RR      RR    UU          UU
PP            UU          UU       YY         ZZ         Z  QQ     QQQQ   RR       RR   UU          UU
PP            UUUUUUUUUUUU         YY         ZZZZZZZZZZZZ  QQQQQQQQQQQQ  RR        RR  UUUUUUUUUUUU
PP             UUUUUUUUUU          YY         ZZZZZZZZZZZZ   QQQQQQQQQQ   RR        RR   UUUUUUUUUU
```

S Y N E R C O M   T E C H N O L O G Y   U S E R   B U L L E T I N

SIRAN BULLETIN #5
*** ENDLOAD ***

THE METHOD FOR CALCULATING THE MOMENTS, SHEARS, AND AXIAL FORCES AT THE EXTREME ENDS OF A MEMBER HAS BEEN MODIFIED TO CORRECTLY INCLUDE CONCENTRATED LOADS OR MOMENTS APPLIED AT THE ENDS OF THE MEMBER. THIS TECHNIQUE IS BELIEVED TO GIVE THE TRUE EVALUATION OF THE ACTIONS AT THE ENDS OF A MEMBER DUE TO JOINT LOADS APPLIED AS MEMBER END LOADS. THEREFORE, FOR ANY MEMBER HAVING END LOADS--

1. ALL MEMBER STRESS REPORTS MAY BE EFFECTED.
2. SHEAR STRESSES WILL CHANGE WHERE CONCENTRATED LOADS ARE APPLIED AT THE MEMBER END.
3. BENDING OR TORSIONAL STRESSES WILL CHANGE WHERE MOMENT LOADS ARE APPLIED AT THE MEMBER END.
4. STRESSES OTHER THAN AT THE END WHERE THE LOAD IS APPLIED WILL NOT CHANGE.
5. MEMBERS WITHOUT END LOADS WILL NOT CHANGE.
6. THE MEMBER FORCES AND MOMENTS REPORT DOES NOT CHANGE.

HAVE YOU READ BULLETIN NO.4 REGARDING THE NEW ALLOWABLE STRESS AND UNITY CHECK FEATURES.

NOTE - IF YOU DO NOT HAVE ALL OF THE BULLETINS, YOU MAY OBTAIN A COPY BY SUBMITTING A RUN WITH THE FOLLOWING CONTROL CARDS:

```
GET,MARCBUL.
COPYSBF,MARCBUL.
```

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**************************************************
*                      STRAN                     *
* A SYNERCOM TECHNOLOGY, INC. DEVELOPMENT        *
*             RELEASE 6   MOD 14                 *
*               JUNE 1976                        *
*                                                *
**************************************************

                                                                     DATE   08/30/76
        5-PILE ACHM STRUCTURE -- U.S. NAVY  (42-IN. DIAMETER PILING) -- J.ATKINSON

                          ***PROGRAM OPTIONS***

THE FOLLOWING OPTIONS HAVE BEEN REQUESTED FOR THIS ANALYSIS

INPUT
        ....CARD PLUS DATA FILE INPUT

INPUT UNITS
        ....ENGLISH

OUTPUT UNITS
        ....ENGLISH

EXECUTION
        ....UNITY CHECK
          ....UNITY CHECKS COMPUTED BY AMERICAN INSTITUTE OF
            STEEL CONSTRUCTION 1969 CODE, SECTIONS 1.5, 1.6.
            LOCAL BUCKLING STRESS OF TUBULAR MEMBERS INVES-
            TIGATED BY COLUMN RESEARCH COUNCIL METHOD.
            RESULTS INVALID FOR A514 STEEL.
        ....NO. OF SEGMENTS            4
        ....VARBL MEMB. SEGMENTS/SECT  1

LOAD
        ....NO. BASIC LOAD CONDS.      6
        ....NO. COMBINED LOAD CONDS.   4

REPORT
        ....INPUT ECHO AND GROUP PROP         PRINT
        ....JOINT DEFLECTIONS                 PRINT
        ....GROUP AND UC CHK SUMMARY          PRINT
        ....MEMBER STRESS REPORT NO.  1       PRINT
        ....MEMBER STRESS REPORT NO.  2       PRINT
        ....MEMBER STRESS REPORT NO.  3       PRINT
        ....MEMBER DETAIL REPORT              PRINT
        ....REACTION FORCES AND MOMTS         PRINT
        ....EQUILIBRIUM CHECK                 PRINT

EQUILIBRIUM CHECK FULL VALUES
        ....FORCES     100.00 LB
        ....MOMENTS    100.00 IN-LB

ALLOWABLE STRESS INCREASE FACTORS
        ....LOAD CONDITION        7           1.333
        ....LOAD CONDITION        8           1.333
        ....LOAD CONDITION        9           1.333
        ....LOAD CONDITION       10           1.333
```

S T R A N - G R O U P P R O P E R T I E S R E P O R T

PAGE 1
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON
TUBULAR MEMBER PROPERTIES

GRP	P/S	JOINT THICK FT.	WT IN.	OD IN.	AA IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	SHEAR AREA IN2	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***													
050	1	-0.00	.500	8.62	12.75	211.04	105.52	105.52	36.0	1.0	1.0	6.38	-0.00
106	1	-0.00	.844	10.75	26.27	649.04	324.52	324.52	36.0	1.0	1.0	13.13	-0.00
120	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	1.0	9.62	-0.00
123	1	-0.00	.500	12.75	19.24	723.09	361.54	361.54	36.0	.8	.8	9.62	-0.00
125	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
127	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
137	1	-0.00	.375	12.75	14.58	558.67	279.34	279.34	36.0	1.0	.8	7.29	-0.00
140	1	-0.00	.375	14.00	16.05	745.52	372.76	372.76	36.0	.8	.8	8.03	-0.00
146	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
145	1	-0.00	.365	10.75	11.91	321.47	160.73	160.73	36.0	.8	.8	5.95	-0.00
150	1	-0.00	.500	16.00	24.35	1463.88	731.94	731.94	36.0	.8	.8	12.17	-0.00
155	1	-0.00	.625	16.00	30.19	1787.05	893.52	893.52	36.0	1.0	.8	15.09	-0.00
160	1	-0.00	.500	16.00	24.35	1463.88	731.94	731.94	36.0	1.0	.8	12.17	-0.00
180	1	-0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	.8	13.74	-0.00
200	1	-0.00	.625	20.00	38.04	3573.94	1786.97	1786.97	36.0	.8	.8	19.02	-0.00
210	1	-0.00	.750	20.00	45.36	4208.26	2104.13	2104.13	36.0	.8	.8	22.68	-0.00
DRL	1	-0.00	1.000	30.00	91.11	19177.85	9588.93	9588.93	36.0	1.0	1.0	45.55	-0.00
P1	1	-0.00	1.750	42.00	221.29	89793.68	44896.84	44896.84	36.0	1.0	1.0	110.64	-0.00
P2	1	-0.00	2.000	42.00	251.33	100782.29	50391.15	50391.15	36.0	1.0	1.0	125.66	-0.00
P3	1	-0.00	1.250	36.00	136.46	41250.28	20625.14	20625.14	36.0	1.0	1.0	68.23	-0.00
JL4	1	-0.00	1.750	48.00	254.27	136170.95	68085.48	68085.48	36.0	1.0	1.0	127.14	-0.00
JL5	1	-0.00	1.000	47.00	144.51	76483.64	38241.82	38241.82	36.0	1.0	1.0	72.25	-0.00
JL6	1	-0.00	1.000	47.00	144.51	76483.64	38241.82	38241.82	36.0	1.0	1.0	72.25	-0.00
JL7	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	1.0	1.0	35.34	-0.00
JL8	1	-0.00	.500	45.50	70.69	35789.12	17894.56	17894.56	36.0	1.0	1.0	35.34	-0.00
DUM	1	-0.00	.500	18.00	27.49	2106.34	1053.17	1053.17	36.0	1.0	1.0	13.74	-0.00

STRAN - GROUP PROPERTIES REPORT

PAGE 2
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON
WIDE FLANGE/WIDE FLANGE COMPACT MEMBER PROPERTIES

GRP	M/S	JOINT THICK FT.	FLANGE THICK IN.	FLANGE WIDTH IN.	WEB THICK IN.	FILET RADIUS IN.	DEPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	LB FT.	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***																
W10	1	-0.00	.570	7.50	.350	.500	10.00	16.20	1.25	802.00	40.20	36.0	2.0	.5	.01	-0.00
W08	1	-0.00	.398	6.50	.245	.500	7.93	7.06	.34	82.50	18.20	36.0	1.0	1.0	.01	-0.00
W06	1	-0.00	.269	6.00	.235	.500	6.00	4.56	.11	30.10	9.67	36.0	1.0	1.0	.01	-0.00

S T R A N - G R O U P P R O P E R T I E S R E P O R T

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PRISMATIC SECTION MEMBERS

GRP	M/S	JOINT THICK FT.	Z-DPTH IN.	Y-DPTH IN.	AX IN2	IX IN4	IY IN4	IZ IN4	FY KSI	KY	KZ	INPUT SEC LEN FT.
*** E = 29000000.0 PSI, G = 11600000.0 PSI ***												
ASN	1	-0.00	10.00	5.00	50.00	30000.00	30000.00	30000.00	36.0	1.0	1.0	-0.00

S T R A N   I N P U T   D A T A

PAGE 1
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1  OPTIONS  7 8 910
   2  AMOD
   3  AMOD        7 1.333   8 1.333   9 1.333  10 1.333
   4  SECT
   5  SECT MISMDOM   PRI  5000 3000000 3000000 3000000    1000          500
   6  SECT DUMYPIL   TUB 13640 4125026 2062514 2062514    3600 1250
   7  SECT W18X50    WFL  1620      125   80200    4020    750  570  1600  358    50
   8  SECT W8X24     WFL   706       34    8250    1020    650  398   793  245    50
   9  SECT W6X15     WFC   456       11    3010     967    600  269   600  235    50
  10  GRUP
  11  GRUP 080            862   500   29   116   36       100  100       5000
  12  GRUP 100           1075   844   29   116   36       100  100       5000
  13  GRUP 120           1275   500   29   116   36        80  100       5000
  14  GRUP 123           1275   500   29   116   36        80   80       5000
  15  GRUP 125           1075   365   29   116   36        80   80       5000
  16  GRUP 127           1075   365   29   116   36        80   80       5000
  17  GRUP 137           1275   375   29   116   36       160   80       5000
  18  GRUP 140           1400   375   29   116   36        80   80       5000
  19  GRUP 148           1075   365   29   116   36        80   80       5000
  20  GRUP 190           1075   365   29   116   36        80   80       5000
  21  GRUP 160           1600   500   29   116   36        80   80       5000
  22  GRUP 165           1600   625   29   116   36       160   80       5000
  23  GRUP 168           1800   500   29   116   36       160   80       5000
  24  GRUP 180           1800   500   29   116   36       160   80       5000
  25  GRUP 200           2100   625   29   116   36        80   80       5000
  26  GRUP 210           2100   750   29   116   36        80   80       5000
  27  GRUP DAL           3000  1000   29   116   36       100  100       5000
  28  GRUP  P1           4200  1750   29   116   36       100  100       5000
  29  GRUP  P2           4200  2000   29   116   36       100  100       5000
  30  GRUP  P3 DUMYPIL               29   116   36       100  100       5000
  31  GRUP JL4           4800  1750   29   116   36       100  100       5000
  32  GRUP JL5           4700  1000   29   116   36       100  100       5000
  33  GRUP JL6           4700  1000   29   116   36       100  100       5000
  34  GRUP JL7           4550   500   29   116   36       100  100       5000
  35  GRUP JL8           4550   500   29   116   36       100  100       5000
  36  GRUP DUM           1800   500   29   116   36       100  100       5000
  37  GRUP AMN MISMDOM               29   116   36
  38  GRUP W18 W18X50                29   116   36       200   50    01
  39  GRUP W08 W8X24                 29   116   36       100  100    01
  40  GRUP W06 W6X15                 29   116   36       100  100    01
  41  MEMBER
  42  MEMBER  101 102 W18
  43  MEMBER  102 103 W18
  44  MEMBER  103 105 W18
  45  MEMBER  105 106 W18
  46  MEMBER  101 104 W18
  47  MEMBER  104 106 W18
  48  MEMBER  102 104 W08
  49  MEMBER  102 105 W08
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S T R A N   I N P U T   D A T A

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   50  MEMBER  104 105 W08
   51  MEMBER  201 202 W18
   52  MEMBER  202 203 W18
   53  MEMBER  203 205 W18
   54  MEMBER  205 206 W18
   55  MEMBER  201 204 W18
   56  MEMBER  204 206 W18
   57  MEMBER  202 204 W08
   58  MEMBER  202 205 W08
   59  MEMBER  204 205 W08
   60  MEMBER  201 303 120                                                    2400
   61  MEMBER  203 306 120                                                    24
   62  MEMBER  205 301 120                                                    3600
   63  MEMBER  301 403 120SK                                                  2400
   64  MEMBER  106 201 120SK                                                  2400
   65  MEMBER  301 303 123                                                    20
   66  MEMBER  303 306 123                                                    20
   67  MEMBER  301 306 123                                                    20
   68  MEMBER  501 502 165                                                    1600
   69  MEMBER  502 503 165                                                    1600
   70  MEMBER  503 505 165                                                    1600
   71  MEMBER  505 506 165                                                    1600
   72  MEMBER  501 504 165                                                    1600
   73  MEMBER  504 506 165                                                    1600
   74  MEMBER  502 504 125                                                    1075
   75  MEMBER  502 505 125                                                    1075
   76  MEMBER  504 505 125                                                    1075
   77  MEMBER  501 507 W08SK                                                  0000
   78  MEMBER  507 510 W08SK         1111                                     0000
   79  MEMBER  503 508 W08SK                                                  0000
   80  MEMBER  508 511 W08SK         1111                                     0000
   81  MEMBER  505 509 W08SK                                                  0000
   82  MEMBER  509 512 W08SK         1111                                     0000
   83  MEMBER  501 513 125SK                                                  1200
   84  MEMBER  503 514 125SK                                                  1200
   85  MEMBER  513 651 W08SK                                                  40
   86  MEMBER  514 653 W08SK                                                  40
   87  MEMBER  601 611 108SK                                                  1400
   88  MEMBER  603 613 108SK                                                  1400
   89  MEMBER  651 661 108SK                                                  1757
   90  MEMBER  653 663 108SK                                                  1757
   91  MEMBER  611 612 W08SK                                                  1200
   92  MEMBER  612 613 W08SK                                                  1200
   93  MEMBER  661 662 W08SK                                                  2080
   94  MEMBER  662 663 W08SK                                                  2080
   95  MEMBER  611 661 108SK                                                  3000
   96  MEMBER  612 662 108SK                                                  2000
   97  MEMBER  613 663 108SK                                                  3000
   98  MEMBER  501 652 210                                                    2000
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S T R A N   I N F O   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.  1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    99  MEMBER  503 535 210                                                   2000
   100  MEMBER  506 534 210                                                   2000
   101  MEMBER  632 703 210                                                   3032
   102  MEMBER  635 706 210                                                   3032
   103  MEMBER  634 701 210                                                   3032
   104  MEMBER  701 702 137                                                   2033
   105  MEMBER  702 703 137                                                   2033
   106  MEMBER  703 705 137                                                   2033
   107  MEMBER  705 706 137                                                   2033
   108  MEMBER  701 704 137                                                   2033
   109  MEMBER  704 706 137                                                   2033
   110  MEMBER  702 704 127                                                   1757
   111  MEMBER  702 705 127                                                   1757
   112  MEMBER  704 705 127                                                   1757
   113  MEMBER  701 707 40NSK                                                 0000
   114  MEMBER  707 710 40NSK       1111                                      0000
   115  MEMBER  703 708 40NSK                                                 0000
   116  MEMBER  708 711 40NSK       1111                                      0000
   117  MEMBER  706 709 40NSK                                                 0000
   118  MEMBER  709 712 40NSK       1111                                      0000
   119  MEMBER  701 806 200                                                   3032
   120  MEMBER  703 801 200                                                   3032
   121  MEMBER  706 803 200                                                   3032
   122  MEMBER  801 802 168                                                   2481
   123  MEMBER  802 803 168                                                   2481
   124  MEMBER  803 805 168                                                   2481
   125  MEMBER  805 806 168                                                   2481
   126  MEMBER  801 804 168                                                   2481
   127  MEMBER  804 806 168                                                   2481
   128  MEMBER  802 834 148                                                   1757
   129  MEMBER  802 805 148                                                   1757
   130  MEMBER  834 835 148                                                   1757
   131  MEMBER  801 807 40NSK                                                 0000
   132  MEMBER  807 810 40NSK       1111                                      0000
   133  MEMBER  803 808 40NSK                                                 0000
   134  MEMBER  808 811 40NSK       1111                                      0000
   135  MEMBER  806 809 40NSK                                                 0000
   136  MEMBER  809 812 40NSK       1111                                      0000
   137  MEMBER  8011002 160                                                   2481
   138  MEMBER  8031002 160                                                   2481
   139  MEMBER  8031005 160                                                   2481
   140  MEMBER  8061005 160                                                   2481
   141  MEMBER  8011004 160                                                   2481
   142  MEMBER  8061004 160                                                   2481
   143  MEMBER 10011002 160                                                   2757
   144  MEMBER 10021003 160                                                   2757
   145  MEMBER 10031005 160                                                   2757
   146  MEMBER 10051006 160                                                   2757
   147  MEMBER 10011004 160                                                   2757
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3-PILE ACMR STRUCTURE -- U. S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   148   MEMBER 10041006 160                                                      2757
   149   MEMBER 10021004 140                                                      1757
   150   MEMBER 10021005 140                                                      1757
   151   MEMBER 10041005 140                                                      1757
   152   MEMBER 10011007 ADNSK                                                    0000
   153   MEMBER 10071010 ADNSK          1111                                      0000
   154   MEMBER 10051008 ADNSK                                                    0000
   155   MEMBER 10061011 ADNSK          1111                                      0000
   156   MEMBER 10061009 ADNSK                                                    0000
   157   MEMBER 10071012 ADNSK          1111                                      0000
   158   MEMBER   101 201 DAL                                                     3000
   159   MEMBER   103 203 DAL                                                     3000
   160   MEMBER   105 206 DAL                                                     3000
   161   MEMBER   201 301 DAL                                                     3000
   162   MEMBER   203 303 DAL                                                     3000
   163   MEMBER   206 306 DAL                                                     3000
   164   MEMBER   301 401 DAL                                                     3000
   165   MEMBER   303 403 DAL                                                     3000
   166   MEMBER   306 406 DAL                                                     3000
   167   MEMBER   401 501 JL4                                                   F 4600
   168   MEMBER   403 503 JL4                                                   F 4600
   169   MEMBER   406 506 JL4                                                   F 4600
   170   MEMBER   501 601 JL5                                                   F 4750
   171   MEMBER   503 603 JL5                                                   F 4750
   172   MEMBER   506 606 JL5                                                   F 4750
   173   MEMBER   601 631 JL5                                                   F 4750
   174   MEMBER   603 633 JL5                                                   F 4750
   175   MEMBER   606 636 JL5                                                   F 4750
   176   MEMBER   631 651 JL6                                                     6021
   177   MEMBER   633 653 JL6                                                     6021
   178   MEMBER   636 656 JL6                                                     6021
   179   MEMBER   651 701 JL6                                                     6021
   180   MEMBER   653 703 JL6                                                     6021
   181   MEMBER   656 706 JL6                                                     6021
   182   MEMBER   701 801 JL7                                                     6546
   183   MEMBER   703 803 JL7                                                     6546
   184   MEMBER   706 806 JL7                                                     6546
   185   MEMBER   8011001 JL8                                                     6546
   186   MEMBER   8031003 JL8                                                     6546
   187   MEMBER   8061006 JL8                                                     6546
   188   MEMBER   401 510  P1                                                   F 0000 1
   189   MEMBER   403 511  P1                                                   F 0000 2
   190   MEMBER   406 512  P1                                                   F 0000 3
   191   MEMBER   510 710  P1                                                   F 0000 1
   192   MEMBER   511 711  P1                                                   F 0000 2
   193   MEMBER   512 712  P1                                                   F 0000 3
   194   MEMBER   710 810  P2                                                   F 0000 1
   195   MEMBER   711 811  P2                                                   F 0000 2
   196   MEMBER   712 812  P2                                                   F 0000 3
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S T R A N   I N   D A T A

3-PILE ACSM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   197  MEMBER  3101010  P2                                               F  0000 1
   198  MEMBER  3111011  P2                                               F  0000 2
   199  MEMBER  3121012  P2                                               F  0000 3
   200  FOUND
   201  GRAV      5   0.02      0.05      0.005
   202  PILE   1010 200.0      29.00      11.6
   203  PROP          42.0      42.0       2.00      20.0
   204  PROP          42.0      42.0       1.75      70.0
   205  PROP          42.0      42.0       1.50     200.0
   206  PY        2    0.0
   207  FORCE          0.0       0.0
   208  DEFL           0.0      20.0
   209  PY        2    5.0
   210  FORCE          0.0       0.0
   211  DEFL           0.0      20.0
   212  PY        6    8.0
   213  FORCE          0.0      68.0     123.0      150.0     168.0      168.0
   214  FORCE        237.0     237.0
   215  DEFL           0.0       0.019     0.095      0.25      0.41       0.70
   216  DEFL           1.58     20.00
   217  PY        6   14.0
   218  FORCE          0.0     194.0     545.0      876.0    1122.0     1440.0
   219  FORCE       2274.0    2274.0
   220  DEFL           0.0       0.009     0.085      0.24      0.41       0.70
   221  DEFL           1.58     20.00
   222  PY        6   21.0
   223  FORCE          0.0     433.0    1068.0     1718.0    2210.0     2857.0
   224  FORCE       4572.0    4572.0
   225  DEFL           0.0       0.013     0.090      0.24      0.41       0.70
   226  DEFL           1.58     20.00
   227  PY        6   21.0033
   228  FORCE          0.0     194.0     687.0     1135.0    1469.0     1907.0
   229  FORCE       3051.0    3051.0
   230  DEFL           0.0       0.006     0.083      0.24      0.41       0.70
   231  DEFL           1.58     20.00
   232  PY        6   28.0
   233  FORCE          0.0     408.0    1165.0     1902.0    2455.0     3181.0
   234  FORCE       5089.0    5089.0
   235  DEFL           0.0       0.009     0.086      0.24      0.41       0.70
   236  DEFL           1.58     20.00
   237  PY        6   35.0
   238  FORCE          0.0     732.0    1794.0     2885.0    3711.0     4797.0
   239  FORCE       7675.0    7675.0
   240  DEFL           0.0       0.013     0.090      0.24      0.41       0.70
   241  DEFL           1.58     20.00
   242  PY        6   35.0033
   243  FORCE          0.0    1609.0    2978.0     4535.0    5752.0     7371.0
   244  FORCE      11794.0   11794.0
   245  DEFL           0.0       0.031     0.11       0.25      0.42       0.70
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  246  DEFL           1.50     20.00
  247  PY        8   39.0
  248  FORCE           0.0    2221.0    3726.0    5579.0    7042.0    8997.0
  249  FORCE    14395.0   14395.0
  250  DEFL            0.0     0.057      0.11      0.26      0.42      0.70
  251  DEFL           1.50     20.00
  252  PY        8   56.0
  253  FORCE           0.0    4524.0    6794.0    9794.0   12220.0   15494.0
  254  FORCE    24790.0   24790.0
  255  DEFL            0.0     0.053      0.13      0.27      0.43      0.70
  256  DEFL           1.50     20.00
  257  PY        7   56.0833
  258  FORCE           0.0     774.0    1050.0    1425.0    1934.0    2625.0
  259  FORCE     2625.0
  260  DEFL            0.0     0.075      0.19      0.47      1.18      2.94
  261  DEFL          20.00
  262  PY        7   78.0
  263  FORCE           0.0     774.0    1050.0    1425.0    1934.0    2625.0
  264  FORCE     2625.0
  265  DEFL            0.0     0.075      0.19      0.47      1.18      2.94
  266  DEFL          20.00
  267  PY        8   78.0833
  268  FORCE           0.0    6307.0    9473.0   13656.0   17059.0   21603.0
  269  FORCE    34566.0   34566.0
  270  DEFL            0.0     0.053      0.13      0.27      0.43      0.70
  271  DEFL           1.50     20.00
  272  PY        8  146.0
  273  FORCE           0.0   11794.0   17712.0   25535.0   31859.0   40344.0
  274  FORCE    64651.0   64651.0
  275  DEFL            0.0     0.053      0.13      0.27      0.43      0.70
  276  DEFL           1.50     20.00
  277  PILE  1011 250.0       29.0      11.6
  278  PILE  1012 250.0       29.0      11.6
  279  JOINT
  280  JOINT  101   14.50  -8.37 156.00                           TOP DECK
  281  JOINT  102     0.0  -8.37 156.00                           TOP DECK
  282  JOINT  103  -14.50  -8.37 156.00                           TOP DECK
  283  JOINT  104    7.25   4.18 156.00                           TOP DECK
  284  JOINT  105   -7.25   4.18 156.00                           TOP DECK
  285  JOINT  106     0.0  16.74 156.00                           TOP DECK
  286  JOINT  201   14.50  -8.37 141.00                           BOM DECK
  287  JOINT  202     0.0  -8.37 141.00                           BOM DECK
  288  JOINT  203  -14.50  -8.37 141.00                           BOM DECK
  289  JOINT  204    7.25   4.18 141.00                           BOM DECK
  290  JOINT  205   -7.25   4.18 141.00                           BOM DECK
  291  JOINT  206     0.0  16.74 141.00                           BOM DECK
  292  JOINT  301   14.50  -8.37 126.00                           UK BRACE
  293  JOINT  303  -14.50  -8.37 126.00                           UK BRACE
  294  JOINT  306     0.0  16.74 126.00                           UK BRACE
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

295	JOINT	401	14.50	-8.37	97.50	WP LEVEL
296	JOINT	403	-14.50	-8.37	97.50	WP LEVEL
297	JOINT	406	0.0	16.74	97.50	WP LEVEL
298	JOINT	501	15.15	-8.75	93.00	5 LEVEL
299	JOINT	502	0.0	-8.75	93.00	5 LEVEL
300	JOINT	503	-15.15	-8.75	93.00	5 LEVEL
301	JOINT	504	7.58	4.37	93.00	5 LEVEL
302	JOINT	505	-7.58	4.37	93.00	5 LEVEL
303	JOINT	506	0.0	17.49	93.00	5 LEVEL
304	JOINT	507	17.32	-10.00	93.41	5 LEVEL
305	JOINT	508	-17.32	-10.00	93.41	5 LEVEL
306	JOINT	509	0.0	19.99	93.41	5 LEVEL
307	JOINT	510	15.15	-8.75	92.99	5 LEVEL
308	JOINT	511	-15.15	-8.75	92.99	5 LEVEL
309	JOINT	512	0.0	17.49	92.99	5 LEVEL
310	JOINT	513	17.74	-10.25	93.00	BRG DAPR
311	JOINT	514	-17.74	-10.25	93.00	BRG DAPR
312	JOINT	601	16.01	-9.25	87.00	BOAT LUG
313	JOINT	603	-16.01	-9.25	87.00	BOAT LUG
314	JOINT	606	0.0	18.49	87.00	EXTRA JT
315	JOINT	611	16.01	-15.25	87.00	BOAT LUG
316	JOINT	612	0.0	-15.25	87.00	BOAT LUG
317	JOINT	613	-16.01	-15.25	87.00	BOAT LUG
318	JOINT	631	16.88	-9.75	81.00	M.L.W.
319	JOINT	632	-1.13	-9.75	81.00	M.L.W.
320	JOINT	633	-16.88	-9.75	81.00	M.L.W.
321	JOINT	634	9.00	3.90	81.00	M.L.W.
322	JOINT	635	-7.80	5.05	81.00	M.L.W.
323	JOINT	636	0.0	19.49	81.00	M.L.W.
324	JOINT	651	17.74	-10.25	75.00	BOAT LUG
325	JOINT	653	-17.74	-10.25	75.00	BOAT LUG
326	JOINT	656	0.0	20.49	75.00	BOAT LUG
327	JOINT	661	17.74	-15.25	75.00	BOAT LUG
328	JOINT	662	0.0	-15.25	75.00	BOAT LUG
329	JOINT	663	-17.74	-15.25	75.00	BOAT LUG
330	JOINT	701	18.76	-10.83	68.00	7 LEVEL
331	JOINT	702	0.0	-10.83	68.00	7 LEVEL
332	JOINT	703	-18.76	-10.83	68.00	7 LEVEL
333	JOINT	704	9.38	5.41	68.00	7 LEVEL
334	JOINT	705	-9.38	5.41	68.00	7 LEVEL
335	JOINT	706	0.0	21.66	68.00	7 LEVEL
336	JOINT	707	20.93	-12.08	68.41	7 LEVEL
337	JOINT	708	-20.93	-12.08	68.41	7 LEVEL
338	JOINT	709	0.0	24.16	68.41	7 LEVEL
339	JOINT	710	18.76	-10.83	67.99	7 LEVEL
340	JOINT	711	-18.76	-10.83	67.99	7 LEVEL
341	JOINT	712	0.0	21.66	67.99	7 LEVEL
342	JOINT	801	23.66	-13.66	34.00	8 LEVEL
343	JOINT	802	0.0	-13.66	34.00	8 LEVEL

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  344   JOINT  803  -23.66 -13.66  34.00                                      B LEVEL
  345   JOINT  804   11.83   6.83  34.00                                      B LEVEL
  346   JOINT  805  -11.83   6.83  34.00                                      B LEVEL
  347   JOINT  806    0.0   27.33  34.00                                      B LEVEL
  348   JOINT  807   25.83 -14.91  34.41                                      B LEVEL
  349   JOINT  808  -25.83 -14.91  34.41                                      B LEVEL
  350   JOINT  809    0.0   29.83  34.41                                      B LEVEL
  351   JOINT  810   23.66 -13.66  35.99                                      B LEVEL
  352   JOINT  811  -23.66 -13.66  35.99                                      B LEVEL
  353   JOINT  812    0.0   27.33  35.99                                      B LEVEL
  354   JOINT 1001   28.57 -16.49   0.0                                       MUDLINE
  355   JOINT 1002    0.0  -16.49   0.0                                       MUDLINE
  356   JOINT 1003  -28.57 -16.49   0.0                                       MUDLINE
  357   JOINT 1004   14.29   8.25   0.0                                       MUDLINE
  358   JOINT 1005  -14.29   8.25   0.0                                       MUDLINE
  359   JOINT 1006    0.0   32.99   0.0                                       MUDLINE
  360   JOINT 1007   30.74 -17.74   0.41                                      MUDLINE
  361   JOINT 1008  -30.74 -17.74   0.41                                      MUDLINE
  362   JOINT 1009    0.0   35.49   0.41                                      MUDLINE
  363   JOINT 1010   28.57 -16.49  -0.01                              111111 MDLM PIL
  364   JOINT 1010                                                    NONLIN
  365   JOINT 1010                                   1010      810 OBLIQU
  366   JOINT 1011  -28.57 -16.49  -0.01                              111111 MDLM PIL
  367   JOINT 1011                                                    NONLIN
  368   JOINT 1011                                   1011      811 OBLIQU
  369   JOINT 1012    0.0   32.99  -0.01                              111111 MDLM PIL
  370   JOINT 1012                                                    NONLIN
  371   JOINT 1012                                   1012      812 OBLIQU
  372   LOAD
  373   LOADCN    1
  374   LOAD Y  401 510    0.00    780                                  GLOB CONC    WN 0 1
  375   LOAD X  401 510                                    0.00-472951 GLOB MOMT    WN 0 1
  376   LOAD Y  403 511    0.00    780                                  GLOB CONC    WN 0 1
  377   LOAD X  403 511                                    0.00-472951 GLOB MOMT    WN 0 1
  378   LOAD Y  406 512    0.00    780                                  GLOB CONC    WN 0 1
  379   LOAD X  406 512                                    0.00-472951 GLOB MOMT    WN 0 1
  380   LOAD X  201 303    9.73     08   4.58     09                   GLOB UNIF    WV 0 1
  381   LOAD Y  201 303    9.73    101   4.58    119                   GLOB UNIF    WV 0 1
  382   LOAD Z  201 303    9.73-    15   4.58-    17                   GLOB UNIF    WV 0 1
  383   LOAD X  201 303   14.51     09   4.58     10                   GLOB UNIF    WV 0 1
  384   LOAD Y  201 303   14.51    119   4.58    130                   GLOB UNIF    WV 0 1
  385   LOAD Z  201 303   14.51-    17   4.58-    19                   GLOB UNIF    WV 0 1
  386   LOAD X  201 303   18.90     10   4.58     11                   GLOB UNIF    WV 0 1
  387   LOAD Y  201 303   18.90    130   4.58    154                   GLOB UNIF    WV 0 1
  388   LOAD Z  201 303   18.90-    19   4.58-    21                   GLOB UNIF    WV 0 1
  389   LOAD X  201 303   23.48     11   4.58     11                   GLOB UNIF    WV 0 1
  390   LOAD Y  201 303   23.48    154   4.58    165                   GLOB UNIF    WV 0 1
  391   LOAD Z  201 303   23.48-    21   4.58-    22                   GLOB UNIF    WV 0 1
  392   LOAD X  201 303   28.08     11   4.58     11                   GLOB UNIF    WV 0 1
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3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

393	LOAD	Y	201	303	20.06	165	4.58	176	GLOB	UNIF	WV 0 1
394	LOAD	Z	201	303	28.06-	22	4.58-	22	GLOB	UNIF	WV 0 1
395	LOAD	X	206	301	20.50	61	2.45	70	GLOB	UNIF	WV 0 1
396	LOAD	Y	206	301	20.50	93	2.45	109	GLOB	UNIF	WV 0 1
397	LOAD	Z	206	301	20.50-	98	2.45-	115	GLOB	UNIF	WV 0 1
398	LOAD	X	206	301	22.93	70	2.45	73	GLOB	UNIF	WV 0 1
399	LOAD	Y	206	301	22.93	109	2.45	117	GLOB	UNIF	WV 0 1
400	LOAD	Z	206	301	22.93-	115	2.45-	125	GLOB	UNIF	WV 0 1
401	LOAD	X	206	301	25.36	73	2.45	74	GLOB	UNIF	WV 0 1
402	LOAD	Y	206	301	25.36	117	2.45	122	GLOB	UNIF	WV 0 1
403	LOAD	Z	206	301	25.36-	125	2.45-	132	GLOB	UNIF	WV 0 1
404	LOAD	X	206	301	27.79	74	2.45	76	GLOB	UNIF	WV 0 1
405	LOAD	Y	206	301	27.79	122	2.45	127	GLOB	UNIF	WV 0 1
406	LOAD	Z	206	301	27.79-	132	2.45-	138	GLOB	UNIF	WV 0 1
407	LOAD	X	206	301	30.22	76	2.45	76	GLOB	UNIF	WV 0 1
408	LOAD	Y	206	301	30.22	127	2.45	132	GLOB	UNIF	WV 0 1
409	LOAD	Z	206	301	30.22-	138	2.45-	145	GLOB	UNIF	WV 0 1
410	LOAD	X	301	403	0.00	14	0.13	15	GLOB	UNIF	WV 0 1
411	LOAD	Y	301	403	0.00	176	0.13	206	GLOB	UNIF	WV 0 1
412	LOAD	Z	301	403	0.00-	14	0.13-	15	GLOB	UNIF	WV 0 1
413	LOAD	X	301	403	0.13	15	0.13	14	GLOB	UNIF	WV 0 1
414	LOAD	Y	301	403	0.13	206	0.13	199	GLOB	UNIF	WV 0 1
415	LOAD	Z	301	403	0.13-	15	0.13-	14	GLOB	UNIF	WV 0 1
416	LOAD	X	301	403	16.26	14	0.13	14	GLOB	UNIF	WV 0 1
417	LOAD	Y	301	403	16.26	199	0.13	184	GLOB	UNIF	WV 0 1
418	LOAD	Z	301	403	16.26-	14	0.13-	14	GLOB	UNIF	WV 0 1
419	LOAD	X	301	403	24.40	14	0.13	13	GLOB	UNIF	WV 0 1
420	LOAD	Y	301	403	24.40	184	0.13	144	GLOB	UNIF	WV 0 1
421	LOAD	Z	301	403	24.40-	14	0.13-	13	GLOB	UNIF	WV 0 1
422	LOAD	X	301	403	32.53	13	0.13	12	GLOB	UNIF	WV 0 1
423	LOAD	Y	301	403	32.53	144	0.13	116	GLOB	UNIF	WV 0 1
424	LOAD	Z	301	403	32.53-	13	0.13-	12	GLOB	UNIF	WV 0 1
425	LOAD	Y	301	303	0.00	146	5.80	146	GLOB	UNIF	WV 0 1
426	LOAD	Z	301	303	0.00-	19	5.80-	19	GLOB	UNIF	WV 0 1
427	LOAD	Y	301	303	5.80	146	5.80	146	GLOB	UNIF	WV 0 1
428	LOAD	Z	301	303	5.80-	19	5.80-	19	GLOB	UNIF	WV 0 1
429	LOAD	Y	301	303	11.60	146	5.80	146	GLOB	UNIF	WV 0 1
430	LOAD	Z	301	303	11.60-	19	5.80-	19	GLOB	UNIF	WV 0 1
431	LOAD	Y	301	303	17.40	146	5.80	146	GLOB	UNIF	WV 0 1
432	LOAD	Z	301	303	17.40-	19	5.80-	19	GLOB	UNIF	WV 0 1
433	LOAD	Y	301	303	23.20	146	5.80	146	GLOB	UNIF	WV 0 1
434	LOAD	Z	301	303	23.20-	19	5.80-	19	GLOB	UNIF	WV 0 1
435	LOAD	X	303	306	0.00-	63	3.05-	62	GLOB	UNIF	WV 0 1
436	LOAD	Y	303	306	0.00	37	3.05	36	GLOB	UNIF	WV 0 1
437	LOAD	Z	303	306	0.00-	19	3.05-	16	GLOB	UNIF	WV 0 1
438	LOAD	X	303	306	3.05-	62	3.05-	60	GLOB	UNIF	WV 0 1
439	LOAD	Y	303	306	3.05	36	3.05	35	GLOB	UNIF	WV 0 1
440	LOAD	Z	303	306	3.05-	16	3.05-	14	GLOB	UNIF	WV 0 1
441	LOAD	X	303	305	7.05-	60	3.05-	56	GLOB	UNIF	WV 0 1

S M A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  442  LOAD Y  503 506   7.65    35  3.83    32                GLOB UNIF    WY 0 1
  443  LOAD Z  503 506   7.65-   14  3.83-   09                GLOB UNIF    WY 0 1
  444  LOAD X  503 506  11.48-   56  3.83-   50                GLOB UNIF    WY 0 1
  445  LOAD Y  503 506  11.48    32  3.83    29                GLOB UNIF    WY 0 1
  446  LOAD Z  503 506  11.48-   09  3.83-   02                GLOB UNIF    WY 0 1
  447  LOAD X  503 506  15.30-   50  3.83-   44                GLOB UNIF    WY 0 1
  448  LOAD Y  503 506  15.30    29  3.83    25                GLOB UNIF    WY 0 1
  449  LOAD Z  503 506  15.30-   02  1.39                      GLOB UNIF    WY 0 1
  450  LOAD Z  503 506  16.69        2.43    04                GLOB UNIF    WY 0 1
  451  LOAD X  503 506  19.13-   44  3.83-   28                GLOB UNIF    WY 0 1
  452  LOAD Y  503 506  19.13    25  3.83    16                GLOB UNIF    WY 0 1
  453  LOAD Z  503 506  19.13    04  3.83    11                GLOB UNIF    WY 0 1
  454  LOAD X  501 506   0.00    63  3.83    62                GLOB UNIF    WY 0 1
  455  LOAD Y  501 506   0.00    37  3.83    36                GLOB UNIF    WY 0 1
  456  LOAD Z  501 506   0.00-   19  3.83-   16                GLOB UNIF    WY 0 1
  457  LOAD X  501 506   3.83    62  3.83    60                GLOB UNIF    WY 0 1
  458  LOAD Y  501 506   3.83    36  3.83    35                GLOB UNIF    WY 0 1
  459  LOAD Z  501 506   3.83-   16  3.83-   14                GLOB UNIF    WY 0 1
  460  LOAD X  501 506   7.65    60  3.83    56                GLOB UNIF    WY 0 1
  461  LOAD Y  501 506   7.65    35  3.83    32                GLOB UNIF    WY 0 1
  462  LOAD Z  501 506   7.65-   14  3.83-   09                GLOB UNIF    WY 0 1
  463  LOAD X  501 506  11.48    56  3.83    50                GLOB UNIF    WY 0 1
  464  LOAD Y  501 506  11.48    32  3.83    29                GLOB UNIF    WY 0 1
  465  LOAD Z  501 506  11.48-   09  3.83-   02                GLOB UNIF    WY 0 1
  466  LOAD X  501 506  15.30    50  3.83    44                GLOB UNIF    WY 0 1
  467  LOAD Y  501 506  15.30    29  3.83    25                GLOB UNIF    WY 0 1
  468  LOAD Z  501 506  15.30-   02  1.39                      GLOB UNIF    WY 0 1
  469  LOAD Z  501 506  16.69        2.43    04                GLOB UNIF    WY 0 1
  470  LOAD X  501 506  19.13    44  3.83    28                GLOB UNIF    WY 0 1
  471  LOAD Y  501 506  19.13    25  3.83    16                GLOB UNIF    WY 0 1
  472  LOAD Z  501 506  19.13    04  3.83    11                GLOB UNIF    WY 0 1
  473  LOAD Y  501 502   0.00    69  3.03    69                GLOB UNIF    WY 0 1
  474  LOAD Z  501 502   0.00-   10  3.03-   10                GLOB UNIF    WY 0 1
  475  LOAD Y  501 502   3.03    69  3.03    69                GLOB UNIF    WY 0 1
  476  LOAD Z  501 502   3.03-   10  3.03-   10                GLOB UNIF    WY 0 1
  477  LOAD Y  501 502   6.06    69  3.03    69                GLOB UNIF    WY 0 1
  478  LOAD Z  501 502   6.06-   10  3.03-   10                GLOB UNIF    WY 0 1
  479  LOAD Y  501 502   9.09    69  3.03    69                GLOB UNIF    WY 0 1
  480  LOAD Z  501 502   9.09-   10  3.03-   10                GLOB UNIF    WY 0 1
  481  LOAD Y  501 502  12.12    69  3.03    69                GLOB UNIF    WY 0 1
  482  LOAD Z  501 502  12.12-   10  3.03-   10                GLOB UNIF    WY 0 1
  483  LOAD Y  502 503   0.00    69  3.03    69                GLOB UNIF    WY 0 1
  484  LOAD Z  502 503   0.00-   10  3.03-   10                GLOB UNIF    WY 0 1
  485  LOAD Y  502 503   3.03    69  3.03    69                GLOB UNIF    WY 0 1
  486  LOAD Z  502 503   3.03-   10  3.03-   10                GLOB UNIF    WY 0 1
  487  LOAD Y  502 503   6.06    69  3.03    69                GLOB UNIF    WY 0 1
  488  LOAD Z  502 503   6.06-   10  3.03-   10                GLOB UNIF    WY 0 1
  489  LOAD Y  502 503   9.09    69  3.03    69                GLOB UNIF    WY 0 1
  490  LOAD Z  502 503   9.09-   10  3.03-   10                GLOB UNIF    WY 0 1
```

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.											
491	LOAD Y	502	503	12.12	69	3.03	69	GLOB UNIF	WV	0	1
492	LOAD Z	502	503	12.12-	10	3.03-	10	GLOB UNIF	WV	0	1
493	LOAD X	503	505	0.00-	30	3.03-	30	GLOB UNIF	WV	0	1
494	LOAD Y	503	505	0.00	17	3.03	17	GLOB UNIF	WV	0	1
495	LOAD Z	503	505	0.00-	10	3.03-	10	GLOB UNIF	WV	0	1
496	LOAD X	503	505	3.03-	30	3.03-	30	GLOB UNIF	WV	0	1
497	LOAD Y	503	505	3.03	17	3.03	17	GLOB UNIF	WV	0	1
498	LOAD Z	503	505	3.03-	10	3.03-	09	GLOB UNIF	WV	0	1
499	LOAD X	503	505	6.06-	30	3.03-	30	GLOB UNIF	WV	0	1
500	LOAD Y	503	505	6.06	17	3.03	16	GLOB UNIF	WV	0	1
501	LOAD Z	503	505	6.06-	09	3.03-	09	GLOB UNIF	WV	0	1
502	LOAD X	503	505	9.09-	30	3.03-	30	GLOB UNIF	WV	0	1
503	LOAD Y	503	505	9.09	16	3.03	17	GLOB UNIF	WV	0	1
504	LOAD Z	503	505	9.09-	09	3.03-	08	GLOB UNIF	WV	0	1
505	LOAD X	503	505	12.12-	30	3.03-	30	GLOB UNIF	WV	0	1
506	LOAD Y	503	505	12.12	17	3.03	17	GLOB UNIF	WV	0	1
507	LOAD Z	503	505	12.12-	08	3.03-	07	GLOB UNIF	WV	0	1
508	LOAD X	505	506	0.00-	30	3.03-	30	GLOB UNIF	WV	0	1
509	LOAD Y	505	506	0.00	17	3.03	17	GLOB UNIF	WV	0	1
510	LOAD Z	505	506	0.00-	07	3.03-	07	GLOB UNIF	WV	0	1
511	LOAD X	505	506	3.03-	30	3.03-	30	GLOB UNIF	WV	0	1
512	LOAD Y	505	506	3.03	17	3.03	17	GLOB UNIF	WV	0	1
513	LOAD Z	505	506	3.03-	07	3.03-	06	GLOB UNIF	WV	0	1
514	LOAD X	505	506	6.06-	30	3.03-	29	GLOB UNIF	WV	0	1
515	LOAD Y	505	506	6.06	17	3.03	17	GLOB UNIF	WV	0	1
516	LOAD Z	505	506	6.06-	06	3.03-	04	GLOB UNIF	WV	0	1
517	LOAD X	505	506	9.09-	29	3.03-	29	GLOB UNIF	WV	0	1
518	LOAD Y	505	506	9.09	17	3.03	17	GLOB UNIF	WV	0	1
519	LOAD Z	505	506	9.09-	04	3.03-	03	GLOB UNIF	WV	0	1
520	LOAD X	505	506	12.12-	29	3.03-	28	GLOB UNIF	WV	0	1
521	LOAD Y	505	506	12.12	17	3.03	16	GLOB UNIF	WV	0	1
522	LOAD Z	505	506	12.12-	03	3.03-	02	GLOB UNIF	WV	0	1
523	LOAD X	501	504	0.00	30	3.03	30	GLOB UNIF	WV	0	1
524	LOAD Y	501	504	0.00	17	3.03	17	GLOB UNIF	WV	0	1
525	LOAD Z	501	504	0.00-	10	3.03-	10	GLOB UNIF	WV	0	1
526	LOAD X	501	504	3.03	30	3.03	30	GLOB UNIF	WV	0	1
527	LOAD Y	501	504	3.03	17	3.03	17	GLOB UNIF	WV	0	1
528	LOAD Z	501	504	3.03-	10	3.03-	09	GLOB UNIF	WV	0	1
529	LOAD X	501	504	6.06	30	3.03	30	GLOB UNIF	WV	0	1
530	LOAD Y	501	504	6.06	17	3.03	16	GLOB UNIF	WV	0	1
531	LOAD Z	501	504	6.06-	09	3.03-	09	GLOB UNIF	WV	0	1
532	LOAD X	501	504	9.09	30	3.03	30	GLOB UNIF	WV	0	1
533	LOAD Y	501	504	9.09	16	3.03	17	GLOB UNIF	WV	0	1
534	LOAD Z	501	504	9.09-	09	3.03-	08	GLOB UNIF	WV	0	1
535	LOAD X	501	504	12.12	30	3.03	30	GLOB UNIF	WV	0	1
536	LOAD Y	501	504	12.12	17	3.03	17	GLOB UNIF	WV	0	1
537	LOAD Z	501	504	12.12-	08	3.03-	07	GLOB UNIF	WV	0	1
538	LOAD X	504	506	0.00	30	3.03	30	GLOB UNIF	WV	0	1
539	LOAD Y	504	506	0.00	17	3.03	17	GLOB UNIF	WV	0	1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   540   LOAD Z  504 506   0.00-   07   3.03-   07                 GLOB UNIF     WV 0 1
   541   LOAD X  504 506   3.03    30   3.03    30                 GLOB UNIF     WV 0 1
   542   LOAD Y  504 506   3.03    17   3.03    17                 GLOB UNIF     WV 0 1
   543   LOAD Z  504 506   3.03-   07   3.03-   06                 GLOB UNIF     WV 0 1
   544   LOAD X  504 506   6.06    30   3.03    29                 GLOB UNIF     WV 0 1
   545   LOAD Y  504 506   6.06    17   3.03    17                 GLOB UNIF     WV 0 1
   546   LOAD Z  504 506   6.06-   06   3.03-   04                 GLOB UNIF     WV 0 1
   547   LOAD X  504 506   9.09    29   3.03    29                 GLOB UNIF     WV 0 1
   548   LOAD Y  504 506   9.09    17   3.03    17                 GLOB UNIF     WV 0 1
   549   LOAD Z  504 506   9.09-   04   3.03-   03                 GLOB UNIF     WV 0 1
   550   LOAD X  504 506  12.12    29   3.03    26                 GLOB UNIF     WV 0 1
   551   LOAD Y  504 506  12.12    17   3.03    16                 GLOB UNIF     WV 0 1
   552   LOAD Z  504 506  12.12-   03   3.03-   02                 GLOB UNIF     WV 0 1
   553   LOAD X  502 504   0.00-   20   3.03-   20                 GLOB UNIF     WV 0 1
   554   LOAD Y  502 504   0.00    12   3.03    12                 GLOB UNIF     WV 0 1
   555   LOAD Z  502 504   0.00-   04   3.03-   04                 GLOB UNIF     WV 0 1
   556   LOAD X  502 504   3.03-   20   3.03-   20                 GLOB UNIF     WV 0 1
   557   LOAD Y  502 504   3.03    12   3.03    12                 GLOB UNIF     WV 0 1
   558   LOAD Z  502 504   3.03-   04   3.03-   04                 GLOB UNIF     WV 0 1
   559   LOAD X  502 504   6.06-   20   3.03-   20                 GLOB UNIF     WV 0 1
   560   LOAD Y  502 504   6.06    12   3.03    12                 GLOB UNIF     WV 0 1
   561   LOAD Z  502 504   6.06-   04   3.03-   04                 GLOB UNIF     WV 0 1
   562   LOAD X  502 504   9.09-   20   3.03-   20                 GLOB UNIF     WV 0 1
   563   LOAD Y  502 504   9.09    12   3.03    12                 GLOB UNIF     WV 0 1
   564   LOAD Z  502 504   9.09-   04   3.03-   03                 GLOB UNIF     WV 0 1
   565   LOAD X  502 504  12.12-   20   3.03-   20                 GLOB UNIF     WV 0 1
   566   LOAD Y  502 504  12.12    12   3.03    11                 GLOB UNIF     WV 0 1
   567   LOAD Z  502 504  12.12-   03   3.03-   03                 GLOB UNIF     WV 0 1
   568   LOAD X  502 505   0.00    20   3.03    20                 GLOB UNIF     WV 0 1
   569   LOAD Y  502 505   0.00    12   3.03    12                 GLOB UNIF     WV 0 1
   570   LOAD Z  502 505   0.00-   04   3.03-   04                 GLOB UNIF     WV 0 1
   571   LOAD X  502 505   3.03    20   3.03    20                 GLOB UNIF     WV 0 1
   572   LOAD Y  502 505   3.03    12   3.03    12                 GLOB UNIF     WV 0 1
   573   LOAD Z  502 505   3.03-   04   3.03-   04                 GLOB UNIF     WV 0 1
   574   LOAD X  502 505   6.06    20   3.03    20                 GLOB UNIF     WV 0 1
   575   LOAD Y  502 505   6.06    12   3.03    12                 GLOB UNIF     WV 0 1
   576   LOAD Z  502 505   6.06-   04   3.03-   04                 GLOB UNIF     WV 0 1
   577   LOAD X  502 505   9.09    20   3.03    20                 GLOB UNIF     WV 0 1
   578   LOAD Y  502 505   9.09    12   3.03    12                 GLOB UNIF     WV 0 1
   579   LOAD Z  502 505   9.09-   04   3.03-   03                 GLOB UNIF     WV 0 1
   580   LOAD X  502 505  12.12    20   3.03    20                 GLOB UNIF     WV 0 1
   581   LOAD Y  502 505  12.12    12   3.03    11                 GLOB UNIF     WV 0 1
   582   LOAD Z  502 505  12.12-   03   3.03-   03                 GLOB UNIF     WV 0 1
   583   LOAD Y  504 505   0.00    40   3.03    40                 GLOB UNIF     WV 0 1
   584   LOAD Z  504 505   0.00-   03   3.03-   03                 GLOB UNIF     WV 0 1
   585   LOAD Y  504 505   3.03    40   3.03    40                 GLOB UNIF     WV 0 1
   586   LOAD Z  504 505   3.03-   03   3.03-   03                 GLOB UNIF     WV 0 1
   587   LOAD Y  504 505   6.06    40   3.03    40                 GLOB UNIF     WV 0 1
   588   LOAD Z  504 505   6.06-   03   3.03-   03                 GLOB UNIF     WV 0 1
```

STRAN INPUT DATA

3-PILE ACPR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.														
589	LOAD	Y	504	505	9.10	46	3.05	46	GLOB	UNIF	WV	0	1
590	LOAD	Z	504	505	9.10-	03	3.05-	03	GLOB	UNIF	WV	0	1
591	LOAD	Y	504	505	12.13	46	3.05	46	GLOB	UNIF	WV	0	1
592	LOAD	Z	504	505	12.13-	03	3.05-	03	GLOB	UNIF	WV	0	1
593	LOAD	X	501	513	0.00	22	.00	22	GLOB	UNIF	WV	0	1
594	LOAD	Y	501	513	0.00	39	.00	39	GLOB	UNIF	WV	0	1
595	LOAD	Z	501	513	0.00-	06	.00-	06	GLOB	UNIF	WV	0	1
596	LOAD	X	501	513	.00	22	.00	22	GLOB	UNIF	WV	0	1
597	LOAD	Y	501	513	.00	39	.00	39	GLOB	UNIF	WV	0	1
598	LOAD	Z	501	513	.00-	06	.00-	06	GLOB	UNIF	WV	0	1
599	LOAD	X	501	513	1.20	22	.00	22	GLOB	UNIF	WV	0	1
600	LOAD	Y	501	513	1.20	39	.00	39	GLOB	UNIF	WV	0	1
601	LOAD	Z	501	513	1.20-	06	.00-	06	GLOB	UNIF	WV	0	1
602	LOAD	X	501	513	1.80	22	.00	22	GLOB	UNIF	WV	0	1
603	LOAD	Y	501	513	1.80	39	.00	38	GLOB	UNIF	WV	0	1
604	LOAD	Z	501	513	1.80-	06	.00-	06	GLOB	UNIF	WV	0	1
605	LOAD	X	501	513	2.39	22	.00	22	GLOB	UNIF	WV	0	1
606	LOAD	Y	501	513	2.39	38	.00	38	GLOB	UNIF	WV	0	1
607	LOAD	Z	501	513	2.39-	06	.00-	06	GLOB	UNIF	WV	0	1
608	LOAD	X	503	514	0.00-	22	.00-	22	GLOB	UNIF	WV	0	1
609	LOAD	Y	503	514	0.00	39	.00	39	GLOB	UNIF	WV	0	1
610	LOAD	Z	503	514	0.00-	06	.00-	06	GLOB	UNIF	WV	0	1
611	LOAD	X	503	514	.00-	22	.00-	22	GLOB	UNIF	WV	0	1
612	LOAD	Y	503	514	.00	39	.00	39	GLOB	UNIF	WV	0	1
613	LOAD	Z	503	514	.00-	06	.00-	06	GLOB	UNIF	WV	0	1
614	LOAD	X	503	514	1.20-	22	.00-	22	GLOB	UNIF	WV	0	1
615	LOAD	Y	503	514	1.20	39	.00	39	GLOB	UNIF	WV	0	1
616	LOAD	Z	503	514	1.20-	06	.00-	06	GLOB	UNIF	WV	0	1
617	LOAD	X	503	514	1.80-	22	.00-	22	GLOB	UNIF	WV	0	1
618	LOAD	Y	503	514	1.80	39	.00	38	GLOB	UNIF	WV	0	1
619	LOAD	Z	503	514	1.80-	06	.00-	06	GLOB	UNIF	WV	0	1
620	LOAD	X	503	514	2.39-	22	.00-	22	GLOB	UNIF	WV	0	1
621	LOAD	Y	503	514	2.39	38	.00	38	GLOB	UNIF	WV	0	1
622	LOAD	Z	503	514	2.39-	06	.00-	06	GLOB	UNIF	WV	0	1
623	LOAD	Y	513	651	0.00	171	3.60	156	GLOB	UNIF	WV	0	1
624	LOAD	Y	513	651	3.60	156	3.60	145	GLOB	UNIF	WV	0	1
625	LOAD	Y	513	651	7.20	145	3.60	134	GLOB	UNIF	WV	0	1
626	LOAD	Y	513	651	10.80	134	3.60	124	GLOB	UNIF	WV	0	1
627	LOAD	Y	513	651	14.40	124	3.60	116	GLOB	UNIF	WV	0	1
628	LOAD	Y	514	653	0.00	171	3.60	156	GLOB	UNIF	WV	0	1
629	LOAD	Y	514	653	3.60	156	3.60	145	GLOB	UNIF	WV	0	1
630	LOAD	Y	514	653	7.20	145	3.60	134	GLOB	UNIF	WV	0	1
631	LOAD	Y	514	653	10.80	134	3.60	124	GLOB	UNIF	WV	0	1
632	LOAD	Y	514	653	14.40	124	3.60	116	GLOB	UNIF	WV	0	1
633	LOAD	Z	601	611	0.00-	07	1.20-	07	GLOB	UNIF	WV	0	1
634	LOAD	Z	601	611	1.20-	07	1.20-	07	GLOB	UNIF	WV	0	1
635	LOAD	Z	601	611	2.40-	07	1.20-	07	GLOB	UNIF	WV	0	1
636	LOAD	Z	601	611	3.60-	07	1.20-	07	GLOB	UNIF	WV	0	1
637	LOAD	Z	601	611	4.80-	07	1.20-	07	GLOB	UNIF	WV	0	1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   638  LOAD Z  603 613   0.00-   07  1.20-   07            GLOB UNIF    WV 0 1
   639  LOAD Z  603 613   1.20-   07  1.20-   07            GLOB UNIF    WV 0 1
   640  LOAD Z  603 613   2.40-   07  1.20-   07            GLOB UNIF    WV 0 1
   641  LOAD Z  603 613   3.60-   07  1.20-   07            GLOB UNIF    WV 0 1
   642  LOAD Z  603 613   4.80-   07  1.20-   07            GLOB UNIF    WV 0 1
   643  LOAD Z  651 661   0.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   644  LOAD Z  651 661   1.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   645  LOAD Z  651 661   2.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   646  LOAD Z  651 661   3.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   647  LOAD Z  651 661   4.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   648  LOAD Z  653 663   0.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   649  LOAD Z  653 663   1.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   650  LOAD Z  653 663   2.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   651  LOAD Z  653 663   3.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   652  LOAD Z  653 663   4.00-   02  1.00-   02            GLOB UNIF    WV 0 1
   653  LOAD Y  611 612   0.00    43  3.20    43            GLOB UNIF    WV 0 1
   654  LOAD Z  611 612   0.00-   05  3.20-   05            GLOB UNIF    WV 0 1
   655  LOAD Y  611 612   3.20    43  3.20    43            GLOB UNIF    WV 0 1
   656  LOAD Z  611 612   3.20-   05  3.20-   05            GLOB UNIF    WV 0 1
   657  LOAD Y  611 612   6.40    43  3.20    43            GLOB UNIF    WV 0 1
   658  LOAD Z  611 612   6.40-   05  3.20-   05            GLOB UNIF    WV 0 1
   659  LOAD Y  611 612   9.61    43  3.20    43            GLOB UNIF    WV 0 1
   660  LOAD Z  611 612   9.61-   05  3.20-   05            GLOB UNIF    WV 0 1
   661  LOAD Y  611 612  12.81    43  3.20    43            GLOB UNIF    WV 0 1
   662  LOAD Z  611 612  12.81-   05  3.20-   05            GLOB UNIF    WV 0 1
   663  LOAD Y  612 613   0.00    43  3.20    43            GLOB UNIF    WV 0 1
   664  LOAD Z  612 613   0.00-   05  3.20-   05            GLOB UNIF    WV 0 1
   665  LOAD Y  612 613   3.20    43  3.20    43            GLOB UNIF    WV 0 1
   666  LOAD Z  612 613   3.20-   05  3.20-   05            GLOB UNIF    WV 0 1
   667  LOAD Y  612 613   6.40    43  3.20    43            GLOB UNIF    WV 0 1
   668  LOAD Z  612 613   6.40-   05  3.20-   05            GLOB UNIF    WV 0 1
   669  LOAD Y  612 613   9.61    43  3.20    43            GLOB UNIF    WV 0 1
   670  LOAD Z  612 613   9.61-   05  3.20-   05            GLOB UNIF    WV 0 1
   671  LOAD Y  612 613  12.81    43  3.20    43            GLOB UNIF    WV 0 1
   672  LOAD Z  612 613  12.81-   05  3.20-   05            GLOB UNIF    WV 0 1
   673  LOAD Y  661 662   0.00    77  3.55    77            GLOB UNIF    WV 0 1
   674  LOAD Z  661 662   0.00-   05  3.55-   05            GLOB UNIF    WV 0 1
   675  LOAD Y  661 662   3.55    77  3.55    77            GLOB UNIF    WV 0 1
   676  LOAD Z  661 662   3.55-   05  3.55-   05            GLOB UNIF    WV 0 1
   677  LOAD Y  661 662   7.10    77  3.55    77            GLOB UNIF    WV 0 1
   678  LOAD Z  661 662   7.10-   05  3.55-   05            GLOB UNIF    WV 0 1
   679  LOAD Y  661 662  10.64    77  3.55    77            GLOB UNIF    WV 0 1
   680  LOAD Z  661 662  10.64-   05  3.55-   05            GLOB UNIF    WV 0 1
   681  LOAD Y  661 662  14.19    77  3.55    77            GLOB UNIF    WV 0 1
   682  LOAD Z  661 662  14.19-   05  3.55-   05            GLOB UNIF    WV 0 1
   683  LOAD Y  662 663   0.00    77  3.55    77            GLOB UNIF    WV 0 1
   684  LOAD Z  662 663   0.00-   05  3.55-   05            GLOB UNIF    WV 0 1
   685  LOAD Y  662 663   3.55    77  3.55    77            GLOB UNIF    WV 0 1
   686  LOAD Z  662 663   3.55-   05  3.55-   05            GLOB UNIF    WV 0 1
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  687  LOAD Y  502 503    7.10     77   3.55    77                    GLOB UNIF    WV 0 1
  688  LOAD Z  502 503    7.10-    05   3.55-   05                    GLOB UNIF    WV 0 1
  689  LOAD Y  502 503   10.64     77   3.55    77                    GLOB UNIF    WV 0 1
  690  LOAD Z  502 503   10.64-    05   3.55-   05                    GLOB UNIF    WV 0 1
  691  LOAD Y  502 503   14.19     77   3.55    77                    GLOB UNIF    WV 0 1
  692  LOAD Z  502 503   14.19-    05   3.55-   05                    GLOB UNIF    WV 0 1
  693  LOAD X  511 501    0.00-    04   2.42-   04                    GLOB UNIF    WV 0 1
  694  LOAD Y  511 501    0.00    100   2.42   100                    GLOB UNIF    WV 0 1
  695  LOAD Z  511 501    0.00-     1   2.42-    1                    GLOB UNIF    WV 0 1
  696  LOAD X  511 501    2.42-    04   2.42-   04                    GLOB UNIF    WV 0 1
  697  LOAD Y  511 501    2.42    100   2.42    95                    GLOB UNIF    WV 0 1
  698  LOAD Z  511 501    2.42-     1   2.42-    1                    GLOB UNIF    WV 0 1
  699  LOAD X  511 501    4.85-    04   2.42-   04                    GLOB UNIF    WV 0 1
  700  LOAD Y  511 501    4.85     95   2.42    90                    GLOB UNIF    WV 0 1
  701  LOAD Z  511 501    4.85-     1   2.42-    1                    GLOB UNIF    WV 0 1
  702  LOAD X  511 501    7.27-    04   2.42-   04                    GLOB UNIF    WV 0 1
  703  LOAD Y  511 501    7.27     90   2.42    86                    GLOB UNIF    WV 0 1
  704  LOAD Z  511 501    7.27-     1   2.42-    1                    GLOB UNIF    WV 0 1
  705  LOAD X  511 501    9.70-    04   2.42-   04                    GLOB UNIF    WV 0 1
  706  LOAD Y  511 501    9.70     86   2.42    83                    GLOB UNIF    WV 0 1
  707  LOAD Z  511 501    9.70-     1   2.42                          GLOB UNIF    WV 0 1
  708  LOAD Y  512 502    0.00     71   2.40    68                    GLOB UNIF    WV 0 1
  709  LOAD Y  512 502    2.40     68   2.40    65                    GLOB UNIF    WV 0 1
  710  LOAD Y  512 502    4.80     65   2.40    61                    GLOB UNIF    WV 0 1
  711  LOAD Y  512 502    7.20     61   2.40    59                    GLOB UNIF    WV 0 1
  712  LOAD Y  512 502    9.60     59   2.40    56                    GLOB UNIF    WV 0 1
  713  LOAD X  513 503    0.00     04   2.42    04                    GLOB UNIF    WV 0 1
  714  LOAD Y  513 503    0.00    100   2.42   100                    GLOB UNIF    WV 0 1
  715  LOAD Z  513 503    0.00-     1   2.42-    1                    GLOB UNIF    WV 0 1
  716  LOAD X  513 503    2.42     04   2.42    04                    GLOB UNIF    WV 0 1
  717  LOAD Y  513 503    2.42    100   2.42    95                    GLOB UNIF    WV 0 1
  718  LOAD Z  513 503    2.42-     1   2.42-    1                    GLOB UNIF    WV 0 1
  719  LOAD X  513 503    4.85     04   2.42    04                    GLOB UNIF    WV 0 1
  720  LOAD Y  513 503    4.85     95   2.42    90                    GLOB UNIF    WV 0 1
  721  LOAD Z  513 503    4.85-     1   2.42-    1                    GLOB UNIF    WV 0 1
  722  LOAD X  513 503    7.27     04   2.42    04                    GLOB UNIF    WV 0 1
  723  LOAD Y  513 503    7.27     90   2.42    86                    GLOB UNIF    WV 0 1
  724  LOAD Z  513 503    7.27-     1   2.42-    1                    GLOB UNIF    WV 0 1
  725  LOAD X  513 503    9.70     04   2.42    04                    GLOB UNIF    WV 0 1
  726  LOAD Y  513 503    9.70     86   2.42    83                    GLOB UNIF    WV 0 1
  727  LOAD Z  513 503    9.70-     1   2.42                          GLOB UNIF    WV 0 1
  728  LOAD X  501 632    0.00     04   4.05    04                    GLOB UNIF    WV 0 1
  729  LOAD Y  501 632    0.00     86   4.05    81                    GLOB UNIF    WV 0 1
  730  LOAD Z  501 632    0.00-    13   4.05-   12                    GLOB UNIF    WV 0 1
  731  LOAD X  501 632    4.05     04   4.05    04                    GLOB UNIF    WV 0 1
  732  LOAD Y  501 632    4.05     81   4.05    77                    GLOB UNIF    WV 0 1
  733  LOAD Z  501 632    4.05-    12   4.05-   12                    GLOB UNIF    WV 0 1
  734  LOAD X  501 632    8.10     04   4.05    04                    GLOB UNIF    WV 0 1
  735  LOAD Y  501 632    8.10     77   4.05    73                    GLOB UNIF    WV 0 1
```

3-PILE ACPR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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736	LOAD	Z	501	632	8.10-	12	4.05-	11	GLOB UNIF	WV 0 1
737	LOAD	X	501	632	12.15	04	4.05	04	GLOB UNIF	WV 0 1
738	LOAD	Y	501	632	12.15	73	4.05	70	GLOB UNIF	WV 0 1
739	LOAD	Z	501	632	12.15-	11	4.05-	11	GLOB UNIF	WV 0 1
740	LOAD	X	501	632	16.20	04	4.05	04	GLOB UNIF	WV 0 1
741	LOAD	Y	501	632	16.20	70	4.05	66	GLOB UNIF	WV 0 1
742	LOAD	Z	501	632	16.20-	11	4.05-	10	GLOB UNIF	WV 0 1
743	LOAD	X	503	635	0.00-	26	4.05-	24	GLOB UNIF	WV 0 1
744	LOAD	Y	503	635	0.00	35	4.05	33	GLOB UNIF	WV 0 1
745	LOAD	Z	503	635	0.00	27	4.05	25	GLOB UNIF	WV 0 1
746	LOAD	X	503	635	4.05-	24	4.05-	23	GLOB UNIF	WV 0 1
747	LOAD	Y	503	635	4.05	33	4.05	32	GLOB UNIF	WV 0 1
748	LOAD	Z	503	635	4.05	25	4.05	25	GLOB UNIF	WV 0 1
749	LOAD	X	503	635	8.10-	23	4.05-	22	GLOB UNIF	WV 0 1
750	LOAD	Y	503	635	8.10	32	4.05	31	GLOB UNIF	WV 0 1
751	LOAD	Z	503	635	8.10	25	4.05	24	GLOB UNIF	WV 0 1
752	LOAD	X	503	635	12.15-	22	4.05-	21	GLOB UNIF	WV 0 1
753	LOAD	Y	503	635	12.15	31	4.05	29	GLOB UNIF	WV 0 1
754	LOAD	Z	503	635	12.15	24	4.05	23	GLOB UNIF	WV 0 1
755	LOAD	X	503	635	16.20-	21	4.05-	20	GLOB UNIF	WV 0 1
756	LOAD	Y	503	635	16.20	29	4.05	26	GLOB UNIF	WV 0 1
757	LOAD	Z	503	635	16.20	23	4.05	22	GLOB UNIF	WV 0 1
758	LOAD	X	506	634	0.00	24	4.05	22	GLOB UNIF	WV 0 1
759	LOAD	Y	506	634	0.00	48	4.05	47	GLOB UNIF	WV 0 1
760	LOAD	Z	506	634	0.00-	37	4.05-	36	GLOB UNIF	WV 0 1
761	LOAD	X	506	634	4.05	22	4.05	21	GLOB UNIF	WV 0 1
762	LOAD	Y	506	634	4.05	47	4.05	46	GLOB UNIF	WV 0 1
763	LOAD	Z	506	634	4.05-	36	4.05-	36	GLOB UNIF	WV 0 1
764	LOAD	X	506	634	8.10	21	4.05	20	GLOB UNIF	WV 0 1
765	LOAD	Y	506	634	8.10	46	4.05	45	GLOB UNIF	WV 0 1
766	LOAD	Z	506	634	8.10-	36	4.05-	36	GLOB UNIF	WV 0 1
767	LOAD	X	506	634	12.14	20	4.05	19	GLOB UNIF	WV 0 1
768	LOAD	Y	506	634	12.14	45	4.05	43	GLOB UNIF	WV 0 1
769	LOAD	Z	506	634	12.14-	36	4.05-	35	GLOB UNIF	WV 0 1
770	LOAD	X	506	634	16.19	19	4.05	17	GLOB UNIF	WV 0 1
771	LOAD	Y	506	634	16.19	43	4.05	42	GLOB UNIF	WV 0 1
772	LOAD	Z	506	634	16.19-	35	4.05-	34	GLOB UNIF	WV 0 1
773	LOAD	X	632	703	0.00	02	4.59	02	GLOB UNIF	WV 0 1
774	LOAD	Y	632	703	0.00	99	4.59	94	GLOB UNIF	WV 0 1
775	LOAD	Z	632	703	0.00-	11	4.59-	11	GLOB UNIF	WV 0 1
776	LOAD	X	632	703	4.59	02	4.59	02	GLOB UNIF	WV 0 1
777	LOAD	Y	632	703	4.59	94	4.59	90	GLOB UNIF	WV 0 1
778	LOAD	Z	632	703	4.59-	11	4.59-	10	GLOB UNIF	WV 0 1
779	LOAD	X	632	703	8.77	02	4.59	02	GLOB UNIF	WV 0 1
780	LOAD	Y	632	703	8.77	90	4.59	85	GLOB UNIF	WV 0 1
781	LOAD	Z	632	703	8.77-	10	4.59-	10	GLOB UNIF	WV 0 1
782	LOAD	X	632	703	13.15	02	4.59	02	GLOB UNIF	WV 0 1
783	LOAD	Y	632	703	13.15	85	4.59	81	GLOB UNIF	WV 0 1
784	LOAD	Z	632	703	13.16-	10	4.59-	09	GLOB UNIF	WV 0 1

S T R A N   I N P U T   D A T A

3-PILE ALMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0											
785	LOAD	X	652	703	17.55	02	4.59	02	GLOB	UNIF	WV	0 1
786	LOAD	Y	652	703	17.55	51	4.59	77	GLOB	UNIF	WV	0 1
787	LOAD	Z	652	703	17.55-	09	4.59-	09	GLOB	UNIF	WV	0 1
788	LOAD	X	655	706	0.00-	28	4.59-	26	GLOB	UNIF	WV	0 1
789	LOAD	Y	655	706	0.00	44	4.59	42	GLOB	UNIF	WV	0 1
790	LOAD	Z	655	706	0.00	36	4.59	35	GLOB	UNIF	WV	0 1
791	LOAD	X	655	706	4.59-	26	4.59-	25	GLOB	UNIF	WV	0 1
792	LOAD	Y	655	706	4.59	42	4.59	40	GLOB	UNIF	WV	0 1
793	LOAD	Z	655	706	4.59	35	4.59	33	GLOB	UNIF	WV	0 1
794	LOAD	X	655	706	6.77-	25	4.59-	23	GLOB	UNIF	WV	0 1
795	LOAD	Y	655	706	6.77	40	4.59	37	GLOB	UNIF	WV	0 1
796	LOAD	Z	655	706	6.77	33	4.59	32	GLOB	UNIF	WV	0 1
797	LOAD	X	655	706	15.16-	23	4.59-	21	GLOB	UNIF	WV	0 1
798	LOAD	Y	655	706	15.16	37	4.59	35	GLOB	UNIF	WV	0 1
799	LOAD	Z	655	706	15.16	32	4.59	30	GLOB	UNIF	WV	0 1
800	LOAD	X	655	706	17.55-	21	4.59-	20	GLOB	UNIF	WV	0 1
801	LOAD	Y	655	706	17.55	35	4.59	34	GLOB	UNIF	WV	0 1
802	LOAD	Z	655	706	17.55	30	4.59	29	GLOB	UNIF	WV	0 1
803	LOAD	X	654	701	0.00	27	4.59	26	GLOB	UNIF	WV	0 1
804	LOAD	Y	654	701	0.00	59	4.59	57	GLOB	UNIF	WV	0 1
805	LOAD	Z	654	701	0.00-	47	4.59-	45	GLOB	UNIF	WV	0 1
806	LOAD	X	654	701	4.59	26	4.59	24	GLOB	UNIF	WV	0 1
807	LOAD	Y	654	701	4.59	57	4.59	54	GLOB	UNIF	WV	0 1
808	LOAD	Z	654	701	4.59-	45	4.59-	43	GLOB	UNIF	WV	0 1
809	LOAD	X	654	701	6.77	24	4.59	23	GLOB	UNIF	WV	0 1
810	LOAD	Y	654	701	6.77	54	4.59	52	GLOB	UNIF	WV	0 1
811	LOAD	Z	654	701	6.77-	43	4.59-	41	GLOB	UNIF	WV	0 1
812	LOAD	X	654	701	15.16	23	4.59	21	GLOB	UNIF	WV	0 1
813	LOAD	Y	654	701	15.16	52	4.59	49	GLOB	UNIF	WV	0 1
814	LOAD	Z	654	701	15.16-	41	4.59-	39	GLOB	UNIF	WV	0 1
815	LOAD	X	654	701	17.55	21	4.59	20	GLOB	UNIF	WV	0 1
816	LOAD	Y	654	701	17.55	49	4.59	46	GLOB	UNIF	WV	0 1
817	LOAD	Z	654	701	17.55-	39	4.59-	37	GLOB	UNIF	WV	0 1
818	LOAD	Y	701	702	0.00	52	3.75	52	GLOB	UNIF	WV	0 1
819	LOAD	Z	701	702	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 1
820	LOAD	Y	701	702	3.75	52	3.75	52	GLOB	UNIF	WV	0 1
821	LOAD	Z	701	702	3.75-	03	3.75-	03	GLOB	UNIF	WV	0 1
822	LOAD	Y	701	702	7.50	52	3.75	52	GLOB	UNIF	WV	0 1
823	LOAD	Z	701	702	7.50-	03	3.75-	03	GLOB	UNIF	WV	0 1
824	LOAD	Y	701	702	11.26	52	3.75	52	GLOB	UNIF	WV	0 1
825	LOAD	Z	701	702	11.26-	03	3.75-	03	GLOB	UNIF	WV	0 1
826	LOAD	Y	701	702	15.01	52	3.75	52	GLOB	UNIF	WV	0 1
827	LOAD	Z	701	702	15.01-	03	3.75-	03	GLOB	UNIF	WV	0 1
828	LOAD	Y	702	703	0.00	52	3.75	52	GLOB	UNIF	WV	0 1
829	LOAD	Z	702	703	0.00-	03	3.75-	03	GLOB	UNIF	WV	0 1
830	LOAD	Y	702	703	3.75	52	3.75	52	GLOB	UNIF	WV	0 1
831	LOAD	Z	702	703	3.75-	03	3.75-	03	GLOB	UNIF	WV	0 1
832	LOAD	Y	702	703	7.50	52	3.75	52	GLOB	UNIF	WV	0 1
833	LOAD	Z	702	703	7.50-	03	3.75-	03	GLOB	UNIF	WV	0 1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5				2....5....0		3....5....0		4....5....0....5....0....5....0		6....5....0		7....5....0		
634	LOAD	Y	702	703	11.26	52	3.75	52		GLOB	UNIF	WV	0	1
635	LOAD	Z	702	703	11.26-	03	3.75-	03		GLOB	UNIF	WV	0	1
636	LOAD	Y	702	703	15.01	52	3.75	52		GLOB	UNIF	WV	0	1
637	LOAD	Z	702	703	15.01-	03	3.75-	03		GLOB	UNIF	WV	0	1
638	LOAD	X	703	705	0.00-	22	3.75-	22		GLOB	UNIF	WV	0	1
639	LOAD	Y	703	705	0.00	13	3.75	13		GLOB	UNIF	WV	0	1
640	LOAD	Z	703	705	0.00-	03	3.75-	03		GLOB	UNIF	WV	0	1
641	LOAD	X	703	705	3.75-	22	3.75-	22		GLOB	UNIF	WV	0	1
642	LOAD	Y	703	705	3.75	13	3.75	13		GLOB	UNIF	WV	0	1
643	LOAD	Z	703	705	3.75-	03	3.75-	03		GLOB	UNIF	WV	0	1
644	LOAD	X	703	705	7.50-	22	3.75-	22		GLOB	UNIF	WV	0	1
645	LOAD	Y	703	705	7.50	13	3.75	13		GLOB	UNIF	WV	0	1
646	LOAD	Z	703	705	7.50-	03	3.75-	03		GLOB	UNIF	WV	0	1
647	LOAD	X	703	705	11.25-	22	3.75-	22		GLOB	UNIF	WV	0	1
648	LOAD	Y	703	705	11.25	13	3.75	13		GLOB	UNIF	WV	0	1
649	LOAD	Z	703	705	11.25-	03	3.75-	02		GLOB	UNIF	WV	0	1
650	LOAD	X	703	705	15.00-	22	3.75-	22		GLOB	UNIF	WV	0	1
651	LOAD	Y	703	705	15.00	13	3.75	13		GLOB	UNIF	WV	0	1
652	LOAD	Z	703	705	15.00-	02	3.75-	02		GLOB	UNIF	WV	0	1
653	LOAD	X	705	706	0.00-	22	3.75-	22		GLOB	UNIF	WV	0	1
654	LOAD	Y	705	706	0.00	13	3.75	13		GLOB	UNIF	WV	0	1
655	LOAD	Z	705	706	0.00-	02	3.75-	02		GLOB	UNIF	WV	0	1
656	LOAD	X	705	706	3.75-	22	3.75-	21		GLOB	UNIF	WV	0	1
657	LOAD	Y	705	706	3.75	13	3.75	12		GLOB	UNIF	WV	0	1
658	LOAD	Z	705	706	3.75-	02	3.75-	1		GLOB	UNIF	WV	0	1
659	LOAD	X	705	706	7.51-	21	3.75-	21		GLOB	UNIF	WV	0	1
660	LOAD	Y	705	706	7.51	12	3.75	12		GLOB	UNIF	WV	0	1
661	LOAD	Z	705	706	7.51-	1	3.75-	1		GLOB	UNIF	WV	0	1
662	LOAD	X	705	706	11.26-	21	3.75-	20		GLOB	UNIF	WV	0	1
663	LOAD	Y	705	706	11.26	12	3.75	12		GLOB	UNIF	WV	0	1
664	LOAD	Z	705	706	11.26-	1	3.75			GLOB	UNIF	WV	0	1
665	LOAD	X	705	706	15.01-	20	3.75-	20		GLOB	UNIF	WV	0	1
666	LOAD	Y	705	706	15.01	12	3.75	12		GLOB	UNIF	WV	0	1
667	LOAD	X	701	704	0.00	22	3.75	22		GLOB	UNIF	WV	0	1
668	LOAD	Y	701	704	0.00	13	3.75	13		GLOB	UNIF	WV	0	1
669	LOAD	Z	701	704	0.00-	03	3.75-	03		GLOB	UNIF	WV	0	1
670	LOAD	X	701	704	3.75	22	3.75	22		GLOB	UNIF	WV	0	1
671	LOAD	Y	701	704	3.75	13	3.75	13		GLOB	UNIF	WV	0	1
672	LOAD	Z	701	704	3.75-	03	3.75-	03		GLOB	UNIF	WV	0	1
673	LOAD	X	701	704	7.50	22	3.75	22		GLOB	UNIF	WV	0	1
674	LOAD	Y	701	704	7.50	13	3.75	13		GLOB	UNIF	WV	0	1
675	LOAD	Z	701	704	7.50-	03	3.75-	03		GLOB	UNIF	WV	0	1
676	LOAD	X	701	704	11.25	22	3.75	22		GLOB	UNIF	WV	0	1
677	LOAD	Y	701	704	11.25	13	3.75	13		GLOB	UNIF	WV	0	1
678	LOAD	Z	701	704	11.25-	03	3.75-	02		GLOB	UNIF	WV	0	1
679	LOAD	X	701	704	15.00	22	3.75	22		GLOB	UNIF	WV	0	1
680	LOAD	Y	701	704	15.00	13	3.75	13		GLOB	UNIF	WV	0	1
681	LOAD	Z	701	704	15.00-	02	3.75-	02		GLOB	UNIF	WV	0	1
682	LOAD	X	704	706	0.00	22	3.75	22		GLOB	UNIF	WV	0	1

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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883	LOAD	Y	704	706	0.00	13	3.75	13	GLOB UNIF	WV	0	1
884	LOAD	Z	704	706	0.00-	02	3.75-	02	GLOB UNIF	WV	0	1
885	LOAD	X	704	706	3.75	22	3.75	21	GLOB UNIF	WV	0	1
886	LOAD	Y	704	706	3.75	13	3.75	12	GLOB UNIF	WV	0	1
887	LOAD	Z	704	706	3.75-	02	3.75-	1	GLOB UNIF	WV	0	1
888	LOAD	X	704	706	7.51	21	3.75	21	GLOB UNIF	WV	0	1
889	LOAD	Y	704	706	7.51	12	3.75	12	GLOB UNIF	WV	0	1
890	LOAD	Z	704	706	7.51-	1	3.75-	1	GLOB UNIF	WV	0	1
891	LOAD	X	704	706	11.26	21	3.75	20	GLOB UNIF	WV	0	1
892	LOAD	Y	704	706	11.26	12	3.75	12	GLOB UNIF	WV	0	1
893	LOAD	Z	704	706	11.26-	1	3.75		GLOB UNIF	WV	0	1
894	LOAD	X	704	706	15.01	20	3.75	20	GLOB UNIF	WV	0	1
895	LOAD	Y	704	706	15.01	12	3.75	12	GLOB UNIF	WV	0	1
896	LOAD	X	702	704	0.00-	19	3.75-	19	GLOB UNIF	WV	0	1
897	LOAD	Y	702	704	0.00	11	3.75	11	GLOB UNIF	WV	0	1
898	LOAD	Z	702	704	0.00-	02	3.75-	02	GLOB UNIF	WV	0	1
899	LOAD	X	702	704	3.75-	19	3.75-	19	GLOB UNIF	WV	0	1
900	LOAD	Y	702	704	3.75	11	3.75	11	GLOB UNIF	WV	0	1
901	LOAD	Z	702	704	3.75-	02	3.75-	02	GLOB UNIF	WV	0	1
902	LOAD	X	702	704	7.50-	19	3.75-	19	GLOB UNIF	WV	0	1
903	LOAD	Y	702	704	7.50	11	3.75	11	GLOB UNIF	WV	0	1
904	LOAD	Z	702	704	7.50-	02	3.75-	02	GLOB UNIF	WV	0	1
905	LOAD	X	702	704	11.25-	19	3.75-	19	GLOB UNIF	WV	0	1
906	LOAD	Y	702	704	11.25	11	3.75	11	GLOB UNIF	WV	0	1
907	LOAD	Z	702	704	11.25-	02	3.75-	1	GLOB UNIF	WV	0	1
908	LOAD	X	702	704	15.00-	19	3.75-	19	GLOB UNIF	WV	0	1
909	LOAD	Y	702	704	15.00	11	3.75	11	GLOB UNIF	WV	0	1
910	LOAD	Z	702	704	15.00-	1	3.75-	1	GLOB UNIF	WV	0	1
911	LOAD	X	702	705	0.00	19	3.75	19	GLOB UNIF	WV	0	1
912	LOAD	Y	702	705	0.00	11	3.75	11	GLOB UNIF	WV	0	1
913	LOAD	Z	702	705	0.00-	02	3.75-	02	GLOB UNIF	WV	0	1
914	LOAD	X	702	705	3.75	19	3.75	19	GLOB UNIF	WV	0	1
915	LOAD	Y	702	705	3.75	11	3.75	11	GLOB UNIF	WV	0	1
916	LOAD	Z	702	705	3.75-	02	3.75-	02	GLOB UNIF	WV	0	1
917	LOAD	X	702	705	7.50	19	3.75	19	GLOB UNIF	WV	0	1
918	LOAD	Y	702	705	7.50	11	3.75	11	GLOB UNIF	WV	0	1
919	LOAD	Z	702	705	7.50-	02	3.75-	02	GLOB UNIF	WV	0	1
920	LOAD	X	702	705	11.25	19	3.75	19	GLOB UNIF	WV	0	1
921	LOAD	Y	702	705	11.25	11	3.75	11	GLOB UNIF	WV	0	1
922	LOAD	Z	702	705	11.25-	02	3.75-	1	GLOB UNIF	WV	0	1
923	LOAD	X	702	705	15.00	19	3.75	19	GLOB UNIF	WV	0	1
924	LOAD	Y	702	705	15.00	11	3.75	11	GLOB UNIF	WV	0	1
925	LOAD	Z	702	705	15.00-	1	3.75-	1	GLOB UNIF	WV	0	1
926	LOAD	Y	704	705	0.00	44	3.75	44	GLOB UNIF	WV	0	1
927	LOAD	Z	704	705	0.00-	1	3.75-	1	GLOB UNIF	WV	0	1
928	LOAD	Y	704	705	3.75	44	3.75	44	GLOB UNIF	WV	0	1
929	LOAD	Z	704	705	3.75-	1	3.75-	1	GLOB UNIF	WV	0	1
930	LOAD	Y	704	705	7.50	44	3.75	44	GLOB UNIF	WV	0	1
931	LOAD	Z	704	705	7.50-	1	3.75-	1	GLOB UNIF	WV	0	1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

     981  LOAD Y  801 802   0.00   38  4.75   38              GLOB UNIF    NV 0 1
     982  LOAD Z  801 802   0.00-  03  4.75-  03              GLOB UNIF    NV 0 1
     983  LOAD Y  801 802   4.75   38  4.75   38              GLOB UNIF    NV 0 1
     984  LOAD Z  801 802   4.73-  03  4.75-  03              GLOB UNIF    NV 0 1
     985  LOAD Y  801 802   9.46   38  4.75   38              GLOB UNIF    NV 0 1
     986  LOAD Z  801 802   9.46-  03  4.75-  03              GLOB UNIF    NV 0 1
     987  LOAD Y  801 802  14.20   38  4.75   38              GLOB UNIF    NV 0 1
     988  LOAD Z  801 802  14.20-  03  4.75-  03              GLOB UNIF    NV 0 1
     989  LOAD Y  801 802  18.95   38  4.75   38              GLOB UNIF    NV 0 1
     990  LOAD Z  801 802  18.95-  03  4.75-  03              GLOB UNIF    NV 0 1
     991  LOAD Y  802 803   0.00   38  4.75   38              GLOB UNIF    NV 0 1
     992  LOAD Z  802 803   0.00-  03  4.73-  03              GLOB UNIF    NV 0 1
     993  LOAD Y  802 803   4.75   38  4.75   38              GLOB UNIF    NV 0 1
     994  LOAD Z  802 803   4.75-  03  4.75-  03              GLOB UNIF    NV 0 1
     995  LOAD Y  802 803   9.46   38  4.75   38              GLOB UNIF    NV 0 1
     996  LOAD Z  802 803   9.46-  03  4.75-  03              GLOB UNIF    NV 0 1
     997  LOAD Y  802 803  14.20   38  4.75   38              GLOB UNIF    NV 0 1
     998  LOAD Z  802 803  14.20-  03  4.73-  03              GLOB UNIF    NV 0 1
     999  LOAD Y  802 803  18.95   38  4.75   38              GLOB UNIF    NV 0 1
    1000  LOAD Z  802 803  18.93-  03  4.75-  03              GLOB UNIF    NV 0 1
    1001  LOAD X  803 805   0.00-  16  4.75-  17              GLOB UNIF    NV 0 1
    1002  LOAD Y  803 805   0.00   09  4.73   10              GLOB UNIF    NV 0 1
    1003  LOAD Z  803 805   0.00-  03  4.75-  03              GLOB UNIF    NV 0 1
    1004  LOAD X  803 805   4.75-  17  4.75-  17              GLOB UNIF    NV 0 1
    1005  LOAD Y  803 805   4.75   10  4.75   10              GLOB UNIF    NV 0 1
    1006  LOAD Z  803 805   4.73-  03  4.75-  02              GLOB UNIF    NV 0 1
    1007  LOAD X  803 805   9.46-  17  4.75-  17              GLOB UNIF    NV 0 1
    1008  LOAD Y  803 805   9.46   10  4.75   10              GLOB UNIF    NV 0 1
    1009  LOAD Z  803 805   9.46-  02  4.75-  02              GLOB UNIF    NV 0 1
    1010  LOAD X  803 805  14.20-  17  4.75-  17              GLOB UNIF    NV 0 1
    1011  LOAD Y  803 805  14.20   10  4.75   10              GLOB UNIF    NV 0 1
    1012  LOAD Z  803 805  14.20-  02  4.75-  02              GLOB UNIF    NV 0 1
    1013  LOAD X  803 805  18.93-  17  4.75-  17              GLOB UNIF    NV 0 1
    1014  LOAD Y  803 805  18.93   10  4.73   10              GLOB UNIF    NV 0 1
    1015  LOAD Z  803 805  18.93-  02  4.75-  02              GLOB UNIF    NV 0 1
    1016  LOAD X  805 806   0.00-  17  4.75-  16              GLOB UNIF    NV 0 1
    1017  LOAD Y  805 806   0.00   10  4.75   09              GLOB UNIF    NV 0 1
    1018  LOAD Z  805 806   0.00-  02  4.75-  02              GLOB UNIF    NV 0 1
    1019  LOAD X  805 806   4.75-  16  4.75-  16              GLOB UNIF    NV 0 1
    1020  LOAD Y  805 806   4.73   09  4.75   09              GLOB UNIF    NV 0 1
    1021  LOAD Z  805 806   4.73-  02  4.75-  02              GLOB UNIF    NV 0 1
    1022  LOAD X  805 806   9.47-  16  4.75-  16              GLOB UNIF    NV 0 1
    1023  LOAD Y  805 806   9.47   09  4.75   09              GLOB UNIF    NV 0 1
    1024  LOAD Z  805 806   9.47-  02  4.73-  02              GLOB UNIF    NV 0 1
    1025  LOAD X  805 806  14.20-  16  4.73-  16              GLOB UNIF    NV 0 1
    1026  LOAD Y  805 806  14.20   09  4.73   09              GLOB UNIF    NV 0 1
    1027  LOAD Z  805 806  14.20-  02  4.73-  02              GLOB UNIF    NV 0 1
    1028  LOAD X  805 806  18.93-  16  4.73-  16              GLOB UNIF    NV 0 1
    1029  LOAD Y  805 806  18.93   09  4.73   09              GLOB UNIF    NV 0 1
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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1030  LOAD Z  805 806   16.93-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1031  LOAD X  801 804    0.00    16   4.73    17                  GLOB UNIF    MV 0 1
    1032  LOAD Y  801 804    0.00    09   4.73    10                  GLOB UNIF    MV 0 1
    1033  LOAD Z  801 804    0.00-   03   4.73-   03                  GLOB UNIF    MV 0 1
    1034  LOAD X  801 804    4.73    17   4.73    17                  GLOB UNIF    MV 0 1
    1035  LOAD Y  801 804    4.73    10   4.73    10                  GLOB UNIF    MV 0 1
    1036  LOAD Z  801 804    4.73-   03   4.73-   02                  GLOB UNIF    MV 0 1
    1037  LOAD X  801 804    9.46    17   4.73    17                  GLOB UNIF    MV 0 1
    1038  LOAD Y  801 804    9.46    10   4.73    10                  GLOB UNIF    MV 0 1
    1039  LOAD Z  801 804    9.46-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1040  LOAD X  801 804   14.20    17   4.73    17                  GLOB UNIF    MV 0 1
    1041  LOAD Y  801 804   14.20    10   4.73    10                  GLOB UNIF    MV 0 1
    1042  LOAD Z  801 804   14.20-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1043  LOAD X  801 804   16.93    17   4.73    17                  GLOB UNIF    MV 0 1
    1044  LOAD Y  801 804   16.93    10   4.73    10                  GLOB UNIF    MV 0 1
    1045  LOAD Z  801 804   16.93-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1046  LOAD X  804 806    0.00    17   4.73    16                  GLOB UNIF    MV 0 1
    1047  LOAD Y  804 806    0.00    10   4.73    09                  GLOB UNIF    MV 0 1
    1048  LOAD Z  804 806    0.00-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1049  LOAD X  804 806    4.73    16   4.73    16                  GLOB UNIF    MV 0 1
    1050  LOAD Y  804 806    4.73    09   4.73    09                  GLOB UNIF    MV 0 1
    1051  LOAD Z  804 806    4.73-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1052  LOAD X  804 806    9.47    16   4.73    16                  GLOB UNIF    MV 0 1
    1053  LOAD Y  804 806    9.47    09   4.73    09                  GLOB UNIF    MV 0 1
    1054  LOAD Z  804 805    9.47-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1055  LOAD X  804 806   14.20    16   4.73    16                  GLOB UNIF    MV 0 1
    1056  LOAD Y  804 806   14.20    09   4.73    09                  GLOB UNIF    MV 0 1
    1057  LOAD Z  804 806   14.20-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1058  LOAD X  804 806   16.93    16   4.73    16                  GLOB UNIF    MV 0 1
    1059  LOAD Y  804 806   16.93    09   4.73    09                  GLOB UNIF    MV 0 1
    1060  LOAD Z  804 805   16.93-   02   4.73-   02                  GLOB UNIF    MV 0 1
    1061  LOAD X  802 804    0.00-   12   4.73-   12                  GLOB UNIF    MV 0 1
    1062  LOAD Y  802 804    0.00    07   4.73    07                  GLOB UNIF    MV 0 1
    1063  LOAD Z  802 804    0.00-    1   4.73-    1                  GLOB UNIF    MV 0 1
    1064  LOAD X  802 804    4.73-   12   4.73-   12                  GLOB UNIF    MV 0 1
    1065  LOAD Y  802 804    4.73    07   4.73    07                  GLOB UNIF    MV 0 1
    1066  LOAD Z  802 804    4.73-    1   4.73-    1                  GLOB UNIF    MV 0 1
    1067  LOAD X  802 804    9.46-   12   4.73-   12                  GLOB UNIF    MV 0 1
    1068  LOAD Y  802 804    9.46    07   4.73    07                  GLOB UNIF    MV 0 1
    1069  LOAD Z  802 804    9.46-    1   4.73-    1                  GLOB UNIF    MV 0 1
    1070  LOAD X  802 804   14.20-   12   4.73-   12                  GLOB UNIF    MV 0 1
    1071  LOAD Y  802 804   14.20    07   4.73    07                  GLOB UNIF    MV 0 1
    1072  LOAD Z  802 804   14.20-    1   4.73-    1                  GLOB UNIF    MV 0 1
    1073  LOAD X  802 804   16.93-   12   4.73-   11                  GLOB UNIF    MV 0 1
    1074  LOAD Y  802 804   16.93    07   4.73    07                  GLOB UNIF    MV 0 1
    1075  LOAD Z  802 804   16.93-    1   4.73-    1                  GLOB UNIF    MV 0 1
    1076  LOAD X  802 805    0.00    12   4.73    12                  GLOB UNIF    MV 0 1
    1077  LOAD Y  802 805    0.00    07   4.73    07                  GLOB UNIF    MV 0 1
    1078  LOAD Z  802 805    0.00-    1   4.73-    1                  GLOB UNIF    MV 0 1
```

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```
                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
1079	LOAD	X	802 805	4.73	12	4.73	12	GLOB UNIF	WV 0 1
1080	LOAD	Y	802 805	4.73	07	4.73	07	GLOB UNIF	WV 0 1
1081	LOAD	Z	802 805	4.73-	1	4.73-	1	GLOB UNIF	WV 0 1
1082	LOAD	X	802 805	9.46	12	4.73	12	GLOB UNIF	WV 0 1
1083	LOAD	Y	802 805	9.46	07	4.73	07	GLOB UNIF	WV 0 1
1084	LOAD	Z	802 805	9.46-	1	4.73-	1	GLOB UNIF	WV 0 1
1085	LOAD	X	802 805	14.20	12	4.73	12	GLOB UNIF	WV 0 1
1086	LOAD	Y	802 805	14.20	07	4.73	07	GLOB UNIF	WV 0 1
1087	LOAD	Z	802 805	14.20-	1	4.73-	1	GLOB UNIF	WV 0 1
1088	LOAD	X	802 805	18.93	12	4.73	11	GLOB UNIF	WV 0 1
1089	LOAD	Y	802 805	18.93	07	4.73	07	GLOB UNIF	WV 0 1
1090	LOAD	Z	802 805	18.93-	1	4.73-	1	GLOB UNIF	WV 0 1
1091	LOAD	Y	804 805	0.00	27	4.73	27	GLOB UNIF	WV 0 1
1092	LOAD	Z	804 805	0.00-	1	4.73-	1	GLOB UNIF	WV 0 1
1093	LOAD	Y	804 805	4.73	27	4.73	27	GLOB UNIF	WV 0 1
1094	LOAD	Z	804 805	4.73-	1	4.73-	1	GLOB UNIF	WV 0 1
1095	LOAD	Y	804 805	9.46	27	4.73	27	GLOB UNIF	WV 0 1
1096	LOAD	Z	804 805	9.46-	1	4.73-	1	GLOB UNIF	WV 0 1
1097	LOAD	Y	804 805	14.20	27	4.73	27	GLOB UNIF	WV 0 1
1098	LOAD	Z	804 805	14.20-	1	4.73-	1	GLOB UNIF	WV 0 1
1099	LOAD	Y	804 805	18.93	27	4.73	27	GLOB UNIF	WV 0 1
1100	LOAD	Z	804 805	18.93-	1	4.73-	1	GLOB UNIF	WV 0 1
1101	LOAD	Y	8011002	0.00	30	4.15	36	GLOB UNIF	WV 0 1
1102	LOAD	Z	8011002	0.00-	03	4.15-	03	GLOB UNIF	WV 0 1
1103	LOAD	Y	8011002	4.15	36	4.15	35	GLOB UNIF	WV 0 1
1104	LOAD	Z	8011002	4.15-	03	4.15-	03	GLOB UNIF	WV 0 1
1105	LOAD	Y	8011002	8.30	35	4.15	34	GLOB UNIF	WV 0 1
1106	LOAD	Z	8011002	8.30-	03	4.15-	02	GLOB UNIF	WV 0 1
1107	LOAD	X	8011002	12.46		4.15-	1	GLOB UNIF	WV 0 1
1108	LOAD	Y	8011002	12.46	34	4.15	32	GLOB UNIF	WV 0 1
1109	LOAD	Z	8011002	12.46-	02	4.15-	02	GLOB UNIF	WV 0 1
1110	LOAD	X	8011002	16.61-	1	4.15-	1	GLOB UNIF	WV 0 1
1111	LOAD	Y	8011002	16.61	32	4.15	31	GLOB UNIF	WV 0 1
1112	LOAD	Z	8011002	16.61-	02	4.15-	02	GLOB UNIF	WV 0 1
1113	LOAD	X	8011002	20.76-	1	4.15-	1	GLOB UNIF	WV 0 1
1114	LOAD	Y	8011002	20.76	31	4.15	30	GLOB UNIF	WV 0 1
1115	LOAD	Z	8011002	20.76-	02	4.15-	02	GLOB UNIF	WV 0 1
1116	LOAD	X	8011002	24.91-	1	4.15-	1	GLOB UNIF	WV 0 1
1117	LOAD	Y	8011002	24.91	30	4.15	30	GLOB UNIF	WV 0 1
1118	LOAD	Z	8011002	24.91-	02	4.15-	02	GLOB UNIF	WV 0 1
1119	LOAD	X	8011002	29.06-	1	1.44		GLOB UNIF	WV 0 1
1120	LOAD	X	8011002	30.51		2.71	1	GLOB UNIF	WV 0 1
1121	LOAD	Y	8011002	29.06	30	4.15	21	GLOB UNIF	WV 0 1
1122	LOAD	Z	8011002	29.06-	02	4.15-	03	GLOB UNIF	WV 0 1
1123	LOAD	X	8011002	33.21	1	4.15	1	GLOB UNIF	WV 0 1
1124	LOAD	Y	8011002	33.21	21	4.15	11	GLOB UNIF	WV 0 1
1125	LOAD	Z	8011002	33.21-	03	4.15-	1	GLOB UNIF	WV 0 1
1126	LOAD	X	8011002	37.37	1	3.63		GLOB UNIF	WV 0 1
1127	LOAD	Y	8011002	37.37	11	4.15	02	GLOB UNIF	WV 0 1

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
1128	LOAD	Z	8011002	37.37-	1	4.15		GLOB UNIF	WV	0 1
1129	LOAD	Y	8031002	0.00	36	4.15	36	GLOB UNIF	WV	0 1
1130	LOAD	Z	8031002	0.00-	03	4.15-	03	GLOB UNIF	WV	0 1
1131	LOAD	Y	8031002	4.15	36	4.15	35	GLOB UNIF	WV	0 1
1132	LOAD	Z	8031002	4.15-	03	4.15-	03	GLOB UNIF	WV	0 1
1133	LOAD	Y	8031002	8.30	35	4.15	34	GLOB UNIF	WV	0 1
1134	LOAD	Z	8031002	8.30-	03	4.15-	02	GLOB UNIF	WV	0 1
1135	LOAD	X	8031002	12.46		4.15	1	GLOB UNIF	WV	0 1
1136	LOAD	Y	8031002	12.46	34	4.15	32	GLOB UNIF	WV	0 1
1137	LOAD	Z	8031002	12.46-	02	4.15-	02	GLOB UNIF	WV	0 1
1138	LOAD	X	8031002	16.61	1	4.15	1	GLOB UNIF	WV	0 1
1139	LOAD	Y	8031002	16.61	32	4.15	31	GLOB UNIF	WV	0 1
1140	LOAD	Z	8031002	16.61-	02	4.15-	02	GLOB UNIF	WV	0 1
1141	LOAD	X	8031002	20.76	1	4.15	1	GLOB UNIF	WV	0 1
1142	LOAD	Y	8031002	20.76	31	4.15	30	GLOB UNIF	WV	0 1
1143	LOAD	Z	8031002	20.76-	02	4.15-	02	GLOB UNIF	WV	0 1
1144	LOAD	X	8031002	24.91	1	4.15	1	GLOB UNIF	WV	0 1
1145	LOAD	Y	8031002	24.91	30	4.15	30	GLOB UNIF	WV	0 1
1146	LOAD	Z	8031002	24.91-	02	4.15-	02	GLOB UNIF	WV	0 1
1147	LOAD	X	8031002	29.06	1	1.44		GLOB UNIF	WV	0 1
1148	LOAD	X	8031002	30.51		2.71-	1	GLOB UNIF	WV	0 1
1149	LOAD	Y	8031002	29.06	30	4.15	21	GLOB UNIF	WV	0 1
1150	LOAD	Z	8031002	29.06-	02	4.15-	03	GLOB UNIF	WV	0 1
1151	LOAD	X	8031002	33.21-	1	4.15-	1	GLOB UNIF	WV	0 1
1152	LOAD	Y	8031002	33.21	21	4.15	11	GLOB UNIF	WV	0 1
1153	LOAD	Z	8031002	33.21-	03	4.15-	1	GLOB UNIF	WV	0 1
1154	LOAD	X	8031002	37.37-	1	3.63		GLOB UNIF	WV	0 1
1155	LOAD	Y	8031002	37.37	11	4.15	02	GLOB UNIF	WV	0 1
1156	LOAD	Z	8031002	37.37-	1	4.15		GLOB UNIF	WV	0 1
1157	LOAD	X	8031005	0.00-	05	4.15-	05	GLOB UNIF	WV	0 1
1158	LOAD	Y	8031005	0.00	26	4.15	26	GLOB UNIF	WV	0 1
1159	LOAD	Z	8031005	0.00	15	4.15	15	GLOB UNIF	WV	0 1
1160	LOAD	X	8031005	4.15-	05	4.15-	05	GLOB UNIF	WV	0 1
1161	LOAD	Y	8031005	4.15	26	4.15	25	GLOB UNIF	WV	0 1
1162	LOAD	Z	8031005	4.15	15	4.15	15	GLOB UNIF	WV	0 1
1163	LOAD	X	8031005	8.30-	05	4.15-	04	GLOB UNIF	WV	0 1
1164	LOAD	Y	8031005	8.30	25	4.15	24	GLOB UNIF	WV	0 1
1165	LOAD	Z	8031005	8.30	15	4.15	14	GLOB UNIF	WV	0 1
1166	LOAD	X	8031005	12.46-	04	4.15-	04	GLOB UNIF	WV	0 1
1167	LOAD	Y	8031005	12.46	24	4.15	23	GLOB UNIF	WV	0 1
1168	LOAD	Z	8031005	12.46	14	4.15	14	GLOB UNIF	WV	0 1
1169	LOAD	X	8031005	16.61-	04	4.15-	04	GLOB UNIF	WV	0 1
1170	LOAD	Y	8031005	16.61	23	4.15	23	GLOB UNIF	WV	0 1
1171	LOAD	Z	8031005	16.61	14	4.15	14	GLOB UNIF	WV	0 1
1172	LOAD	X	8031005	20.76-	04	4.15-	04	GLOB UNIF	WV	0 1
1173	LOAD	Y	8031005	20.76	23	4.15	22	GLOB UNIF	WV	0 1
1174	LOAD	Z	8031005	20.76	14	4.15	13	GLOB UNIF	WV	0 1
1175	LOAD	X	8031005	24.91-	04	4.15-	04	GLOB UNIF	WV	0 1
1176	LOAD	Y	8031005	24.91	22	4.15	22	GLOB UNIF	WV	0 1

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1177	LOAD Z	8051005	24.91	13	4.15	13	GLOB UNIF	KV 0 1
1178	LOAD X	8051005	29.06-	04	4.15-	02	GLOB UNIF	KV 0 1
1179	LOAD Y	8051005	29.06	22	4.15	17	GLOB UNIF	KV 0 1
1180	LOAD Z	8051005	29.06	13	4.15	11	GLOB UNIF	KV 0 1
1181	LOAD X	8051005	33.22-	02	4.15-	1	GLOB UNIF	KV 0 1
1182	LOAD Y	8051005	33.22	17	4.15	10	GLOB UNIF	KV 0 1
1183	LOAD Z	8051005	33.22	11	4.15	06	GLOB UNIF	KV 0 1
1184	LOAD X	8051005	37.37-	1	4.15		GLOB UNIF	KV 0 1
1185	LOAD Y	8051005	37.37	10	4.15	02	GLOB UNIF	KV 0 1
1186	LOAD Z	8051005	37.37	06	4.15	1	GLOB UNIF	KV 0 1
1187	LOAD X	8061005	0.00-	05	4.15-	05	GLOB UNIF	KV 0 1
1188	LOAD Y	8061005	0.00	30	4.15	29	GLOB UNIF	KV 0 1
1189	LOAD Z	8061005	0.00-	14	4.15-	14	GLOB UNIF	KV 0 1
1190	LOAD X	8061005	4.15-	05	4.15-	05	GLOB UNIF	KV 0 1
1191	LOAD Y	8061005	4.15	29	4.15	28	GLOB UNIF	KV 0 1
1192	LOAD Z	8061005	4.15-	14	4.15-	13	GLOB UNIF	KV 0 1
1193	LOAD X	8061005	8.30-	05	4.15-	05	GLOB UNIF	KV 0 1
1194	LOAD Y	8061005	8.30	28	4.15	27	GLOB UNIF	KV 0 1
1195	LOAD Z	8061005	8.30-	13	4.15-	13	GLOB UNIF	KV 0 1
1196	LOAD X	8061005	12.46-	05	4.15-	05	GLOB UNIF	KV 0 1
1197	LOAD Y	8061005	12.46	27	4.15	26	GLOB UNIF	KV 0 1
1198	LOAD Z	8061005	12.46-	13	4.15-	12	GLOB UNIF	KV 0 1
1199	LOAD X	8061005	16.61-	05	4.15-	05	GLOB UNIF	KV 0 1
1200	LOAD Y	8061005	16.61	26	4.15	25	GLOB UNIF	KV 0 1
1201	LOAD Z	8061005	16.61-	12	4.15-	12	GLOB UNIF	KV 0 1
1202	LOAD X	8061005	20.76-	05	4.15-	05	GLOB UNIF	KV 0 1
1203	LOAD Y	8061005	20.76	25	4.15	24	GLOB UNIF	KV 0 1
1204	LOAD Z	8061005	20.76-	12	4.15-	12	GLOB UNIF	KV 0 1
1205	LOAD X	8061005	24.91-	05	4.15-	05	GLOB UNIF	KV 0 1
1206	LOAD Y	8061005	24.91	24	4.15	24	GLOB UNIF	KV 0 1
1207	LOAD Z	8061005	24.91-	12	4.15-	11	GLOB UNIF	KV 0 1
1208	LOAD X	8061005	29.07-	05	4.15-	03	GLOB UNIF	KV 0 1
1209	LOAD Y	8061005	29.07	24	4.15	17	GLOB UNIF	KV 0 1
1210	LOAD Z	8061005	29.07-	11	4.15-	08	GLOB UNIF	KV 0 1
1211	LOAD X	8061005	33.22-	03	4.15-	02	GLOB UNIF	KV 0 1
1212	LOAD Y	8061005	33.22	17	4.15	10	GLOB UNIF	KV 0 1
1213	LOAD Z	8061005	33.22-	08	4.15-	05	GLOB UNIF	KV 0 1
1214	LOAD X	8061005	37.37-	02	4.15		GLOB UNIF	KV 0 1
1215	LOAD Y	8061005	37.37	10	4.15	03	GLOB UNIF	KV 0 1
1216	LOAD Z	8061005	37.37-	05	4.15-	1	GLOB UNIF	KV 0 1
1217	LOAD X	8011004	0.00	05	4.15	05	GLOB UNIF	KV 0 1
1218	LOAD Y	8011004	0.00	26	4.15	26	GLOB UNIF	KV 0 1
1219	LOAD Z	8011004	0.00	15	4.15	15	GLOB UNIF	KV 0 1
1220	LOAD X	8011004	4.15	05	4.15	05	GLOB UNIF	KV 0 1
1221	LOAD Y	8011004	4.15	26	4.15	25	GLOB UNIF	KV 0 1
1222	LOAD Z	8011004	4.15	15	4.15	15	GLOB UNIF	KV 0 1
1223	LOAD X	8011004	8.30	05	4.15	04	GLOB UNIF	KV 0 1
1224	LOAD Y	8011004	8.30	25	4.15	24	GLOB UNIF	KV 0 1
1225	LOAD Z	8011004	8.30	15	4.15	14	GLOB UNIF	KV 0 1

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
1226	LOAD X	8011004	12.46	04	4.15	04	GL08 UNIF	WV	0	1
1227	LOAD Y	8011004	12.46	24	4.15	23	GL08 UNIF	WV	0	1
1228	LOAD Z	8011004	12.46	14	4.15	14	GL08 UNIF	WV	0	1
1229	LOAD X	8011004	16.61	04	4.15	04	GL08 UNIF	WV	0	1
1230	LOAD Y	8011004	16.61	23	4.15	23	GL08 UNIF	WV	0	1
1231	LOAD Z	8011004	16.61	14	4.15	14	GL08 UNIF	WV	0	1
1232	LOAD X	8011004	20.76	04	4.15	04	GL08 UNIF	WV	0	1
1233	LOAD Y	8011004	20.76	23	4.15	22	GL08 UNIF	WV	0	1
1234	LOAD Z	8011004	20.76	14	4.15	13	GL08 UNIF	WV	0	1
1235	LOAD X	8011004	24.91	04	4.15	04	GL08 UNIF	WV	0	1
1236	LOAD Y	8011004	24.91	22	4.15	22	GL08 UNIF	WV	0	1
1237	LOAD Z	8011004	24.91	13	4.15	13	GL08 UNIF	WV	0	1
1238	LOAD X	8011004	29.06	04	4.15	02	GL08 UNIF	WV	0	1
1239	LOAD Y	8011004	29.06	22	4.15	17	GL08 UNIF	WV	0	1
1240	LOAD Z	8011004	29.05	13	4.15	11	GL08 UNIF	WV	0	1
1241	LOAD X	8011004	33.22	02	4.15	1	GL08 UNIF	WV	0	1
1242	LOAD Y	8011004	33.22	17	4.15	10	GL08 UNIF	WV	0	1
1243	LOAD Z	8011004	33.22	11	4.15	06	GL08 UNIF	WV	0	1
1244	LOAD X	8011004	37.37	1	4.15		GL08 UNIF	WV	0	1
1245	LOAD Y	8011004	37.37	10	4.15	02	GL08 UNIF	WV	0	1
1246	LOAD Z	8011004	37.37	06	4.15	1	GL08 UNIF	WV	0	1
1247	LOAD X	8061004	0.00	05	4.15	05	GL08 UNIF	WV	0	1
1248	LOAD Y	8061004	0.00	30	4.15	29	GL08 UNIF	WV	0	1
1249	LOAD Z	8061004	0.00-	14	4.15-	14	GL08 UNIF	WV	0	1
1250	LOAD X	8061004	4.15	05	4.15	05	GL08 UNIF	WV	0	1
1251	LOAD Y	8061004	4.15	29	4.15	28	GL08 UNIF	WV	0	1
1252	LOAD Z	8061004	4.15-	14	4.15-	13	GL08 UNIF	WV	0	1
1253	LOAD X	8061004	8.30	05	4.15	05	GL08 UNIF	WV	0	1
1254	LOAD Y	8061004	8.30	28	4.15	27	GL08 UNIF	WV	0	1
1255	LOAD Z	8061004	8.30-	13	4.15-	13	GL08 UNIF	WV	0	1
1256	LOAD X	8061004	12.46	05	4.15	05	GL08 UNIF	WV	0	1
1257	LOAD Y	8061004	12.46	27	4.15	26	GL08 UNIF	WV	0	1
1258	LOAD Z	8061004	12.46-	13	4.15-	12	GL08 UNIF	WV	0	1
1259	LOAD X	8061004	16.61	05	4.15	05	GL08 UNIF	WV	0	1
1260	LOAD Y	8061004	16.61	26	4.15	25	GL08 UNIF	WV	0	1
1261	LOAD Z	8061004	16.61-	12	4.15-	12	GL08 UNIF	WV	0	1
1262	LOAD X	8061004	20.76	05	4.15	05	GL08 UNIF	WV	0	1
1263	LOAD Y	8061004	20.76	25	4.15	24	GL08 UNIF	WV	0	1
1264	LOAD Z	8061004	20.76-	12	4.15-	12	GL08 UNIF	WV	0	1
1265	LOAD X	8061004	24.91	05	4.15	05	GL08 UNIF	WV	0	1
1266	LOAD Y	8061004	24.91	24	4.15	24	GL08 UNIF	WV	0	1
1267	LOAD Z	8061004	24.91-	12	4.15-	11	GL08 UNIF	WV	0	1
1268	LOAD X	8061004	29.07	05	4.15	03	GL08 UNIF	WV	0	1
1269	LOAD Y	8061004	29.07	24	4.15	17	GL08 UNIF	WV	0	1
1270	LOAD Z	8061004	29.07-	11	4.15-	08	GL08 UNIF	WV	0	1
1271	LOAD X	8061004	33.22	03	4.15	02	GL08 UNIF	WV	0	1
1272	LOAD Y	8061004	33.22	17	4.15	10	GL08 UNIF	WV	0	1
1273	LOAD Z	8061004	33.22-	08	4.15-	05	GL08 UNIF	WV	0	1
1274	LOAD X	8061004	37.37	02	4.15		GL08 UNIF	WV	0	1

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
1275	LOAD	Y	4051004	37.37	10	4.15	03	GLOB	UNIF	WV	0 1
1276	LOAD	Z	4051004	37.37-	05	4.15-	1	GLOB	UNIF	WV	0 1
1277	LOAD	Y	10011002	0.00	02	5.71	02	GLOB	UNIF	WV	0 1
1278	LOAD	Y	10011002	5.71	02	5.71	02	GLOB	UNIF	WV	0 1
1279	LOAD	Y	10011002	11.43	02	5.71	02	GLOB	UNIF	WV	0 1
1280	LOAD	Y	10011002	17.14	02	5.71	02	GLOB	UNIF	WV	0 1
1281	LOAD	Y	10011002	22.85	02	5.71	02	GLOB	UNIF	WV	0 1
1282	LOAD	Y	10021003	0.00	02	5.71	02	GLOB	UNIF	WV	0 1
1283	LOAD	Y	10021003	5.71	02	5.71	02	GLOB	UNIF	WV	0 1
1284	LOAD	Y	10021003	11.43	02	5.71	02	GLOB	UNIF	WV	0 1
1285	LOAD	Y	10021003	17.14	02	5.71	02	GLOB	UNIF	WV	0 1
1286	LOAD	Y	10021003	22.85	02	5.71	02	GLOB	UNIF	WV	0 1
1287	LOAD	X	10051005	0.00-	1	5.71-	1	GLOB	UNIF	WV	0 1
1288	LOAD	Y	10051005	0.00		5.71	1	GLOB	UNIF	WV	0 1
1289	LOAD	X	10051005	5.71-	1	5.71-	1	GLOB	UNIF	WV	0 1
1290	LOAD	Y	10051005	5.71	1	5.71	1	GLOB	UNIF	WV	0 1
1291	LOAD	X	10051005	11.43-	1	5.71-	1	GLOB	UNIF	WV	0 1
1292	LOAD	Y	10051005	11.43	1	5.71	1	GLOB	UNIF	WV	0 1
1293	LOAD	X	10051005	17.14-	1	5.71-	02	GLOB	UNIF	WV	0 1
1294	LOAD	Y	10051005	17.14	1	5.71	1	GLOB	UNIF	WV	0 1
1295	LOAD	X	10051005	22.85-	02	5.71-	02	GLOB	UNIF	WV	0 1
1296	LOAD	Y	10051005	22.85	1	5.71	1	GLOB	UNIF	WV	0 1
1297	LOAD	X	10051006	0.00-	02	5.71-	02	GLOB	UNIF	WV	0 1
1298	LOAD	Y	10051006	0.00	1	5.71	1	GLOB	UNIF	WV	0 1
1299	LOAD	X	10051006	5.71-	02	5.71-	02	GLOB	UNIF	WV	0 1
1300	LOAD	Y	10051006	5.71	1	5.71	1	GLOB	UNIF	WV	0 1
1301	LOAD	X	10051006	11.43-	02	5.71-	02	GLOB	UNIF	WV	0 1
1302	LOAD	Y	10051006	11.43	1	5.71	1	GLOB	UNIF	WV	0 1
1303	LOAD	X	10051006	17.14-	02	5.71-	02	GLOB	UNIF	WV	0 1
1304	LOAD	Y	10051006	17.14	1	5.71	1	GLOB	UNIF	WV	0 1
1305	LOAD	X	10051006	22.85-	02	5.71-	02	GLOB	UNIF	WV	0 1
1306	LOAD	Y	10051006	22.85	1	5.71	1	GLOB	UNIF	WV	0 1
1307	LOAD	X	10011004	0.00	1	5.71	1	GLOB	UNIF	WV	0 1
1308	LOAD	Y	10011004	0.00		5.71	1	GLOB	UNIF	WV	0 1
1309	LOAD	X	10011004	5.71	1	5.71	1	GLOB	UNIF	WV	0 1
1310	LOAD	Y	10011004	5.71	1	5.71	1	GLOB	UNIF	WV	0 1
1311	LOAD	X	10011004	11.43	1	5.71	1	GLOB	UNIF	WV	0 1
1312	LOAD	Y	10011004	11.43	1	5.71	1	GLOB	UNIF	WV	0 1
1313	LOAD	X	10011004	17.14	1	5.71	02	GLOB	UNIF	WV	0 1
1314	LOAD	Y	10011004	17.14	1	5.71	1	GLOB	UNIF	WV	0 1
1315	LOAD	X	10011004	22.85	02	5.71	02	GLOB	UNIF	WV	0 1
1316	LOAD	Y	10011004	22.85	1	5.71	1	GLOB	UNIF	WV	0 1
1317	LOAD	X	10041006	0.00	02	5.71	02	GLOB	UNIF	WV	0 1
1318	LOAD	Y	10041006	0.00	1	5.71	1	GLOB	UNIF	WV	0 1
1319	LOAD	X	10041006	5.71	02	5.71	02	GLOB	UNIF	WV	0 1
1320	LOAD	Y	10041006	5.71	1	5.71	1	GLOB	UNIF	WV	0 1
1321	LOAD	X	10041006	11.43	02	5.71	02	GLOB	UNIF	WV	0 1
1322	LOAD	Y	10041006	11.43	1	5.71	1	GLOB	UNIF	WV	0 1
1323	LOAD	X	10041006	17.14	02	5.71	02	GLOB	UNIF	WV	0 1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                       1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1324  LOAD Y 10041006   17.14      1   5.71      1                 GLOB UNIF    WV 0 1
  1325  LOAD X 10041006   22.86     02   5.71     02                 GLOB UNIF    WV 0 1
  1326  LOAD Y 10041006   22.86      1   5.71      1                 GLOB UNIF    WV 0 1
  1327  LOAD X 10021004    0.00-     1   5.71-     1                 GLOB UNIF    WV 0 1
  1328  LOAD X 10021004    5.71-     1   5.71-     1                 GLOB UNIF    WV 0 1
  1329  LOAD X 10021004   11.43-     1   5.71-     1                 GLOB UNIF    WV 0 1
  1330  LOAD X 10021004   17.14-     1   5.71-     1                 GLOB UNIF    WV 0 1
  1331  LOAD X 10021004   22.86-     1   5.71-     1                 GLOB UNIF    WV 0 1
  1332  LOAD X 10021005    0.00      1   5.71      1                 GLOB UNIF    WV 0 1
  1333  LOAD X 10021005    5.71      1   5.71      1                 GLOB UNIF    WV 0 1
  1334  LOAD X 10021005   11.43      1   5.71      1                 GLOB UNIF    WV 0 1
  1335  LOAD X 10021005   17.14      1   5.71      1                 GLOB UNIF    WV 0 1
  1336  LOAD X 10021005   22.86      1   5.71      1                 GLOB UNIF    WV 0 1
  1337  LOAD Y 10041005    0.00     02   5.72     02                 GLOB UNIF    WV 0 1
  1338  LOAD Y 10041005    5.72     02   5.72     02                 GLOB UNIF    WV 0 1
  1339  LOAD Y 10041005   11.43     02   5.72     02                 GLOB UNIF    WV 0 1
  1340  LOAD Y 10041005   17.15     02   5.72     02                 GLOB UNIF    WV 0 1
  1341  LOAD Y 10041005   22.86     02   5.72     02                 GLOB UNIF    WV 0 1
  1342  LOAD Y   201 301   4.47    128   2.11    150                 GLOB UNIF    WV 0 1
  1343  LOAD Y   201 301   6.57    150   2.11    172                 GLOB UNIF    WV 0 1
  1344  LOAD Y   201 301   8.69    172   2.11    193                 GLOB UNIF    WV 0 1
  1345  LOAD Y   201 301  10.79    193   2.11    208                 GLOB UNIF    WV 0 1
  1346  LOAD Y   201 301  12.89    208   2.11    221                 GLOB UNIF    WV 0 1
  1347  LOAD Y   203 303   4.47    128   2.11    150                 GLOB UNIF    WV 0 1
  1348  LOAD Y   203 303   6.57    150   2.11    172                 GLOB UNIF    WV 0 1
  1349  LOAD Y   203 303   8.69    172   2.11    193                 GLOB UNIF    WV 0 1
  1350  LOAD Y   203 303  10.79    193   2.11    208                 GLOB UNIF    WV 0 1
  1351  LOAD Y   203 303  12.89    208   2.11    221                 GLOB UNIF    WV 0 1
  1352  LOAD Y   301 401   0.00    221   5.70    258                 GLOB UNIF    WV 0 1
  1353  LOAD Y   301 401   5.70    258   5.70    249                 GLOB UNIF    WV 0 1
  1354  LOAD Y   301 401  11.40    249   5.70    230                 GLOB UNIF    WV 0 1
  1355  LOAD Y   301 401  17.10    230   5.70    181                 GLOB UNIF    WV 0 1
  1356  LOAD Y   301 401  22.80    181   5.70    145                 GLOB UNIF    WV 0 1
  1357  LOAD Y   303 403   0.00    221   5.70    258                 GLOB UNIF    WV 0 1
  1358  LOAD Y   303 403   5.70    258   5.70    249                 GLOB UNIF    WV 0 1
  1359  LOAD Y   303 403  11.40    249   5.70    230                 GLOB UNIF    WV 0 1
  1360  LOAD Y   303 403  17.10    230   5.70    181                 GLOB UNIF    WV 0 1
  1361  LOAD Y   303 403  22.80    181   5.70    145                 GLOB UNIF    WV 0 1
  1362  LOAD Y   306 406   2.77     70   4.29    193                 GLOB UNIF    WV 0 1
  1363  LOAD Y   306 406   7.06    193   4.29    212                 GLOB UNIF    WV 0 1
  1364  LOAD Y   306 406  11.35    212   4.29    231                 GLOB UNIF    WV 0 1
  1365  LOAD Y   306 406  15.64    231   4.29    204                 GLOB UNIF    WV 0 1
  1366  LOAD Y   306 406  19.92    204   4.29    173                 GLOB UNIF    WV 0-1
  1367  LOAD Y   306 406  24.21    173   4.29    152                 GLOB UNIF    WV 0 1
  1368  LOAD X   401 501   0.00-    11    .91-    11                 GLOB UNIF    WV 0 1
  1369  LOAD Y   401 501   0.00    240    .91    235                 GLOB UNIF    WV 0 1
  1370  LOAD Z   401 501   0.00-    22    .91-    21                 GLOB UNIF    WV 0 1
  1371  LOAD X   401 501    .91-    11    .91-    10                 GLOB UNIF    WV 0 1
  1372  LOAD Y   401 501    .91    235    .91    230                 GLOB UNIF    WV 0 1
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1373  LOAD Z  401 501    .91-    21    .91-    21              GLOB UNIF    WV 0 1
  1374  LOAD X  401 501   1.83-    10    .91-    10              GLOB UNIF    WV 0 1
  1375  LOAD Y  401 501   1.83    230    .91    225              GLOB UNIF    WV 0 1
  1376  LOAD Z  401 501   1.83-    21    .91-    20              GLOB UNIF    WV 0 1
  1377  LOAD X  401 501   2.74-    10    .91-    10              GLOB UNIF    WV 0 1
  1378  LOAD Y  401 501   2.74    225    .91    220              GLOB UNIF    WV 0 1
  1379  LOAD Z  401 501   2.74-    20    .91-    20              GLOB UNIF    WV 0 1
  1380  LOAD X  401 501   3.65-    10    .91-    10              GLOB UNIF    WV 0 1
  1381  LOAD Y  401 501   3.65    220    .91    215              GLOB UNIF    WV 0 1
  1382  LOAD Z  401 501   3.65-    20    .91-    20              GLOB UNIF    WV 0 1
  1383  LOAD X  403 503   0.00     11    .91     11              GLOB UNIF    WV 0 1
  1384  LOAD Y  403 503   0.00    240    .91    235              GLOB UNIF    WV 0 1
  1385  LOAD Z  403 503   0.00-    22    .91-    21              GLOB UNIF    WV 0 1
  1386  LOAD X  403 503    .91     11    .91     10              GLOB UNIF    WV 0 1
  1387  LOAD Y  403 503    .91    235    .91    230              GLOB UNIF    WV 0 1
  1388  LOAD Z  403 503    .91-    21    .91-    21              GLOB UNIF    WV 0 1
  1389  LOAD X  403 503   1.83     10    .91     10              GLOB UNIF    WV 0 1
  1390  LOAD Y  403 503   1.83    230    .91    225              GLOB UNIF    WV 0 1
  1391  LOAD Z  403 503   1.83-    21    .91-    20              GLOB UNIF    WV 0 1
  1392  LOAD X  403 503   2.74     10    .91     10              GLOB UNIF    WV 0 1
  1393  LOAD Y  403 503   2.74    225    .91    220              GLOB UNIF    WV 0 1
  1394  LOAD Z  403 503   2.74-    20    .91-    20              GLOB UNIF    WV 0 1
  1395  LOAD X  403 503   3.65     10    .91     10              GLOB UNIF    WV 0 1
  1396  LOAD Y  403 503   3.65    220    .91    215              GLOB UNIF    WV 0 1
  1397  LOAD Z  403 503   3.65-    20    .91-    20              GLOB UNIF    WV 0 1
  1398  LOAD Y  406 506   0.00    253    .91    252              GLOB UNIF    WV 0 1
  1399  LOAD Z  406 506   0.00     43    .91     42              GLOB UNIF    WV 0 1
  1400  LOAD Y  406 506    .91    252    .91    247              GLOB UNIF    WV 0 1
  1401  LOAD Z  406 506    .91     42    .91     41              GLOB UNIF    WV 0 1
  1402  LOAD Y  406 506   1.82    247    .91    241              GLOB UNIF    WV 0 1
  1403  LOAD Z  406 506   1.82     41    .91     40              GLOB UNIF    WV 0 1
  1404  LOAD Y  406 506   2.74    241    .91    236              GLOB UNIF    WV 0 1
  1405  LOAD Z  406 506   2.74     40    .91     39              GLOB UNIF    WV 0 1
  1406  LOAD Y  406 506   3.65    236    .91    230              GLOB UNIF    WV 0 1
  1407  LOAD Z  406 506   3.65     39    .91     38              GLOB UNIF    WV 0 1
  1408  LOAD X  501 601   0.00-    10   1.22-    10              GLOB UNIF    WV 0 1
  1409  LOAD Y  501 601   0.00    213   1.22    206              GLOB UNIF    WV 0 1
  1410  LOAD Z  501 601   0.00-    19   1.22-    19              GLOB UNIF    WV 0 1
  1411  LOAD X  501 601   1.22-    10   1.22-    10              GLOB UNIF    WV 0 1
  1412  LOAD Y  501 601   1.22    206   1.22    199              GLOB UNIF    WV 0 1
  1413  LOAD Z  501 601   1.22-    19   1.22-    18              GLOB UNIF    WV 0 1
  1414  LOAD X  501 601   2.43-    10   1.22-   .09              GLOB UNIF    WV 0 1
  1415  LOAD Y  501 601   2.43    199   1.22    194              GLOB UNIF    WV 0 1
  1416  LOAD Z  501 601   2.43-    18   1.22-    17              GLOB UNIF    WV 0 1
  1417  LOAD X  501 601   3.65-    09   1.22-    09              GLOB UNIF    WV 0 1
  1418  LOAD Y  501 601   3.65    194   1.22    189              GLOB UNIF    WV 0 1
  1419  LOAD Z  501 601   3.65-    17   1.22-    17              GLOB UNIF    WV 0 1
  1420  LOAD X  501 601   4.87-    09   1.22-    09              GLOB UNIF    WV 0 1
  1421  LOAD Y  501 601   4.87    189   1.22    184              GLOB UNIF    WV 0 1
```

S T R A N   I N P U T   D A T A

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DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
LINE NO.        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
         1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.													
1422	LOAD	Z	501	601	4.67-	17	1.22-	17	GLOB	UNIF	WV	0	1
1423	LOAD	X	503	603	0.00	10	1.22	10	GLOB	UNIF	WV	0	1
1424	LOAD	Y	503	603	0.00	213	1.22	206	GLOB	UNIF	WV	0	1
1425	LOAD	Z	503	603	0.00-	19	1.22-	19	GLOB	UNIF	WV	0	1
1426	LOAD	X	503	603	1.22	10	1.22	10	GLOB	UNIF	WV	0	1
1427	LOAD	Y	503	603	1.22	206	1.22	199	GLOB	UNIF	WV	0	1
1428	LOAD	Z	503	603	1.22-	19	1.22-	18	GLOB	UNIF	WV	0	1
1429	LOAD	X	503	603	2.43	10	1.22	09	GLOB	UNIF	WV	0	1
1430	LOAD	Y	503	603	2.43	199	1.22	194	GLOB	UNIF	WV	0	1
1431	LOAD	Z	503	603	2.43-	18	1.22-	17	GLOB	UNIF	WV	0	1
1432	LOAD	X	503	603	3.65	09	1.22	09	GLOB	UNIF	WV	0	1
1433	LOAD	Y	503	603	3.65	194	1.22	189	GLOB	UNIF	WV	0	1
1434	LOAD	Z	503	603	3.65-	17	1.22-	17	GLOB	UNIF	WV	0	1
1435	LOAD	X	503	603	4.87	09	1.22	09	GLOB	UNIF	WV	0	1
1436	LOAD	Y	503	603	4.87	189	1.22	184	GLOB	UNIF	WV	0	1
1437	LOAD	Z	503	603	4.87-	17	1.22-	17	GLOB	UNIF	WV	0	1
1438	LOAD	Y	506	606	0.00	227	1.22	220	GLOB	UNIF	WV	0	1
1439	LOAD	Z	506	606	0.00	38	1.22	37	GLOB	UNIF	WV	0	1
1440	LOAD	Y	506	606	1.22	220	1.22	213	GLOB	UNIF	WV	0	1
1441	LOAD	Z	506	606	1.22	37	1.22	35	GLOB	UNIF	WV	0	1
1442	LOAD	Y	506	606	2.43	213	1.22	207	GLOB	UNIF	WV	0	1
1443	LOAD	Z	506	606	2.43	35	1.22	35	GLOB	UNIF	WV	0	1
1444	LOAD	Y	506	606	3.65	207	1.22	203	GLOB	UNIF	WV	0	1
1445	LOAD	Z	506	606	3.65	35	1.22	34	GLOB	UNIF	WV	0	1
1446	LOAD	Y	506	606	4.87	203	1.22	198	GLOB	UNIF	WV	0	1
1447	LOAD	Z	506	606	4.87	34	1.22	33	GLOB	UNIF	WV	0	1
1448	LOAD	X	601	651	0.00-	09	1.22-	09	GLOB	UNIF	WV	0	1
1449	LOAD	Y	601	651	0.00	184	1.22	180	GLOB	UNIF	WV	0	1
1450	LOAD	Z	601	651	0.00-	17	1.22-	16	GLOB	UNIF	WV	0	1
1451	LOAD	X	601	651	1.22-	09	1.22-	09	GLOB	UNIF	WV	0	1
1452	LOAD	Y	601	651	1.22	180	1.22	175	GLOB	UNIF	WV	0	1
1453	LOAD	Z	601	651	1.22-	16	1.22-	16	GLOB	UNIF	WV	0	1
1454	LOAD	X	601	651	2.43-	09	1.22-	09	GLOB	UNIF	WV	0	1
1455	LOAD	Y	601	651	2.43	175	1.22	170	GLOB	UNIF	WV	0	1
1456	LOAD	Z	601	651	2.43-	16	1.22-	15	GLOB	UNIF	WV	0	1
1457	LOAD	X	601	651	3.65-	09	1.22-	09	GLOB	UNIF	WV	0	1
1458	LOAD	Y	601	651	3.65	170	1.22	166	GLOB	UNIF	WV	0	1
1459	LOAD	Z	601	651	3.65-	15	1.22-	15	GLOB	UNIF	WV	0	1
1460	LOAD	X	601	651	4.87-	09	1.22-	08	GLOB	UNIF	WV	0	1
1461	LOAD	Y	601	651	4.87	166	1.22	161	GLOB	UNIF	WV	0	1
1462	LOAD	Z	601	651	4.87-	15	1.22-	15	GLOB	UNIF	WV	0	1
1463	LOAD	X	603	653	0.00	09	1.22	09	GLOB	UNIF	WV	0	1
1464	LOAD	Y	603	653	0.00	184	1.22	180	GLOB	UNIF	WV	0	1
1465	LOAD	Z	603	653	0.00-	17	1.22-	16	GLOB	UNIF	WV	0	1
1466	LOAD	X	603	653	1.22	09	1.22	09	GLOB	UNIF	WV	0	1
1467	LOAD	Y	603	653	1.22	180	1.22	175	GLOB	UNIF	WV	0	1
1468	LOAD	Z	603	653	1.22-	16	1.22-	16	GLOB	UNIF	WV	0	1
1469	LOAD	X	603	653	2.43	09	1.22	09	GLOB	UNIF	WV	0	1
1470	LOAD	Y	603	653	2.43	175	1.22	170	GLOB	UNIF	WV	0	1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.											
1471	LOAD	Z	603	653	2.43-	16	1.22-	15	GLOB	UNIF	WV 0 1
1472	LOAD	X	603	653	3.65	09	1.22	09	GLOB	UNIF	WV 0 1
1473	LOAD	Y	603	653	3.65	170	1.22	166	GLOB	UNIF	WV 0 1
1474	LOAD	Z	603	653	3.65-	15	1.22-	15	GLOB	UNIF	WV 0 1
1475	LOAD	X	603	653	4.87	09	1.22	08	GLOB	UNIF	WV 0 1
1476	LOAD	Y	603	653	4.87	166	1.22	161	GLOB	UNIF	WV 0 1
1477	LOAD	Z	603	653	4.87-	15	1.22-	15	GLOB	UNIF	WV 0 1
1478	LOAD	Y	606	656	0.00	198	1.22	193	GLOB	UNIF	WV 0 1
1479	LOAD	Z	606	656	0.00	33	1.22	32	GLOB	UNIF	WV 0 1
1480	LOAD	Y	606	656	1.22	193	1.22	189	GLOB	UNIF	WV 0 1
1481	LOAD	Z	606	656	1.22	32	1.22	31	GLOB	UNIF	WV 0 1
1482	LOAD	Y	606	656	2.43	189	1.22	184	GLOB	UNIF	WV 0 1
1483	LOAD	Z	606	656	2.43	31	1.22	31	GLOB	UNIF	WV 0 1
1484	LOAD	Y	606	656	3.65	184	1.22	180	GLOB	UNIF	WV 0 1
1485	LOAD	Z	606	656	3.65	31	1.22	30	GLOB	UNIF	WV 0 1
1486	LOAD	Y	606	656	4.87	180	1.22	175	GLOB	UNIF	WV 0 1
1487	LOAD	Z	606	656	4.87	30	1.22	29	GLOB	UNIF	WV 0 1
1488	LOAD	X	631	651	0.00-	16	1.22-	16	GLOB	UNIF	WV 0 1
1489	LOAD	Y	631	651	0.00	235	1.22	229	GLOB	UNIF	WV 0 1
1490	LOAD	Z	631	651	0.00-	22	1.22-	22	GLOB	UNIF	WV 0 1
1491	LOAD	X	631	651	1.22-	16	1.22-	16	GLOB	UNIF	WV 0 1
1492	LOAD	Y	631	651	1.22	229	1.22	223	GLOB	UNIF	WV 0 1
1493	LOAD	Z	631	651	1.22-	22	1.22-	21	GLOB	UNIF	WV 0 1
1494	LOAD	X	631	651	2.43-	16	1.22-	17	GLOB	UNIF	WV 0 1
1495	LOAD	Y	631	651	2.43	223	1.22	218	GLOB	UNIF	WV 0 1
1496	LOAD	Z	631	651	2.43-	21	1.22-	21	GLOB	UNIF	WV 0 1
1497	LOAD	X	631	651	3.65-	17	1.22-	17	GLOB	UNIF	WV 0 1
1498	LOAD	Y	631	651	3.65	218	1.22	213	GLOB	UNIF	WV 0 1
1499	LOAD	Z	631	651	3.65-	21	1.22-	20	GLOB	UNIF	WV 0 1
1500	LOAD	X	631	651	4.87-	17	1.22-	17	GLOB	UNIF	WV 0 1
1501	LOAD	Y	631	651	4.87	213	1.22	207	GLOB	UNIF	WV 0 1
1502	LOAD	Z	631	651	4.87-	20	1.22-	20	GLOB	UNIF	WV 0 1
1503	LOAD	X	633	653	0.00	16	1.22	16	GLOB	UNIF	WV 0 1
1504	LOAD	Y	633	653	0.00	235	1.22	229	GLOB	UNIF	WV 0 1
1505	LOAD	Z	633	653	0.00-	22	1.22-	22	GLOB	UNIF	WV 0 1
1506	LOAD	X	633	653	1.22	16	1.22	16	GLOB	UNIF	WV 0 1
1507	LOAD	Y	633	653	1.22	229	1.22	223	GLOB	UNIF	WV 0 1
1508	LOAD	Z	633	653	1.22-	22	1.22-	21	GLOB	UNIF	WV 0 1
1509	LOAD	X	633	653	2.43	16	1.22	17	GLOB	UNIF	WV 0 1
1510	LOAD	Y	633	653	2.43	223	1.22	218	GLOB	UNIF	WV 0 1
1511	LOAD	Z	633	653	2.43-	21	1.22-	21	GLOB	UNIF	WV 0 1
1512	LOAD	X	633	653	3.65	17	1.22	17	GLOB	UNIF	WV 0 1
1513	LOAD	Y	633	653	3.65	218	1.22	213	GLOB	UNIF	WV 0 1
1514	LOAD	Z	633	653	3.65-	21	1.22-	20	GLOB	UNIF	WV 0 1
1515	LOAD	X	633	653	4.87	17	1.22	17	GLOB	UNIF	WV 0 1
1516	LOAD	Y	633	653	4.87	213	1.22	207	GLOB	UNIF	WV 0 1
1517	LOAD	Z	633	653	4.87-	20	1.22-	20	GLOB	UNIF	WV 0 1
1518	LOAD	Y	636	656	0.00	281	1.22	274	GLOB	UNIF	WV 0 1
1519	LOAD	Z	636	656	0.00	47	1.22	46	GLOB	UNIF	WV 0 1

STRAN INPUT DATA

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1520  LOAD Y  655 656   1.22   274  1.22   268             GLOB UNIF    WV 0 1
   1521  LOAD Z  655 656   1.22    46  1.22    45             GLOB UNIF    WV 0 1
   1522  LOAD Y  655 656   2.43   268  1.22   263             GLOB UNIF    WV 0 1
   1523  LOAD Z  655 656   2.43    45  1.22    44             GLOB UNIF    WV 0 1
   1524  LOAD Y  655 656   3.65   263  1.22   257             GLOB UNIF    WV 0 1
   1525  LOAD Z  655 656   3.65    44  1.22    43             GLOB UNIF    WV 0 1
   1526  LOAD Y  655 656   4.87   257  1.22   251             GLOB UNIF    WV 0 1
   1527  LOAD Z  655 656   4.87    43  1.22    42             GLOB UNIF    WV 0 1
   1528  LOAD X  651 701   0.00-   17  1.42-   16             GLOB UNIF    WV 0 1
   1529  LOAD Y  651 701   0.00   207  1.42   201             GLOB UNIF    WV 0 1
   1530  LOAD Z  651 701   0.00-   20  1.42-   19             GLOB UNIF    WV 0 1
   1531  LOAD X  651 701   1.42-   16  1.42-   16             GLOB UNIF    WV 0 1
   1532  LOAD Y  651 701   1.42   201  1.42   195             GLOB UNIF    WV 0 1
   1533  LOAD Z  651 701   1.42-   19  1.42-   18             GLOB UNIF    WV 0 1
   1534  LOAD X  651 701   2.84-   16  1.42-   15             GLOB UNIF    WV 0 1
   1535  LOAD Y  651 701   2.84   195  1.42   189             GLOB UNIF    WV 0 1
   1536  LOAD Z  651 701   2.84-   18  1.42-   18             GLOB UNIF    WV 0 1
   1537  LOAD X  651 701   4.26-   15  1.42-   15             GLOB UNIF    WV 0 1
   1538  LOAD Y  651 701   4.26   189  1.42   184             GLOB UNIF    WV 0 1
   1539  LOAD Z  651 701   4.26-   18  1.42-   17             GLOB UNIF    WV 0 1
   1540  LOAD X  651 701   5.68-   15  1.42-   15             GLOB UNIF    WV 0 1
   1541  LOAD Y  651 701   5.68   184  1.42   179             GLOB UNIF    WV 0 1
   1542  LOAD Z  651 701   5.68-   17  1.42-   17             GLOB UNIF    WV 0 1
   1543  LOAD X  653 703   0.00    17  1.42    16             GLOB UNIF    WV 0 1
   1544  LOAD Y  653 703   0.00   207  1.42   201             GLOB UNIF    WV 0 1
   1545  LOAD Z  653 703   0.00-   20  1.42-   19             GLOB UNIF    WV 0 1
   1546  LOAD X  653 703   1.42    16  1.42    16             GLOB UNIF    WV 0 1
   1547  LOAD Y  653 703   1.42   201  1.42   195             GLOB UNIF    WV 0 1
   1548  LOAD Z  653 703   1.42-   19  1.42-   18             GLOB UNIF    WV 0 1
   1549  LOAD X  653 703   2.84    16  1.42    15             GLOB UNIF    WV 0 1
   1550  LOAD Y  653 703   2.84   195  1.42   189             GLOB UNIF    WV 0 1
   1551  LOAD Z  653 703   2.84-   18  1.42-   18             GLOB UNIF    WV 0 1
   1552  LOAD X  653 703   4.26    15  1.42    15             GLOB UNIF    WV 0 1
   1553  LOAD Y  653 703   4.26   189  1.42   184             GLOB UNIF    WV 0 1
   1554  LOAD Z  653 703   4.26-   18  1.42-   17             GLOB UNIF    WV 0 1
   1555  LOAD X  653 703   5.68    15  1.42    15             GLOB UNIF    WV 0 1
   1556  LOAD Y  653 703   5.68   184  1.42   179             GLOB UNIF    WV 0 1
   1557  LOAD Z  653 703   5.68-   17  1.42-   17             GLOB UNIF    WV 0 1
   1558  LOAD Y  655 706   0.00   251  1.42   244             GLOB UNIF    WV 0 1
   1559  LOAD Z  655 706   0.00    42  1.42    41             GLOB UNIF    WV 0 1
   1560  LOAD Y  655 706   1.42   244  1.42   237             GLOB UNIF    WV 0 1
   1561  LOAD Z  655 706   1.42    41  1.42    40             GLOB UNIF    WV 0 1
   1562  LOAD Y  656 706   2.84   237  1.42   230             GLOB UNIF    WV 0 1
   1563  LOAD Z  655 706   2.84    40  1.42    38             GLOB UNIF    WV 0 1
   1564  LOAD Y  655 706   4.26   230  1.42   224             GLOB UNIF    WV 0 1
   1565  LOAD Z  656 706   4.26    38  1.42    37             GLOB UNIF    WV 0 1
   1566  LOAD Y  655 706   5.68   224  1.42   219             GLOB UNIF    WV 0 1
   1567  LOAD Z  656 706   5.68    37  1.42    37             GLOB UNIF    WV 0 1
   1568  LOAD X  701 801   0.00-   13  0.69-   11             GLOB UNIF    WV 0 1
```

S-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

1569	LOAD Y	701 801	0.00	171	6.89	150	GLOB UNIF	WY	0	1
1570	LOAD Z	701 801	0.00-	16	6.89-	14	GLOB UNIF	WY	0	1
1571	LOAD X	701 801	6.89-	11	6.89-	10	GLOB UNIF	WY	0	1
1572	LOAD Y	701 801	6.89	150	6.89	135	GLOB UNIF	WY	0	1
1573	LOAD Z	701 801	6.89-	14	6.89-	13	GLOB UNIF	WY	0	1
1574	LOAD X	701 801	13.79-	10	6.89-	08	GLOB UNIF	WY	0	1
1575	LOAD Y	701 801	13.79	135	6.89	121	GLOB UNIF	WY	0	1
1576	LOAD Z	701 801	13.79-	13	6.89-	11	GLOB UNIF	WY	0	1
1577	LOAD X	701 801	20.68-	08	6.89-	07	GLOB UNIF	WY	0	1
1578	LOAD Y	701 801	20.68	121	6.89	107	GLOB UNIF	WY	0	1
1579	LOAD Z	701 801	20.68-	11	6.89-	10	GLOB UNIF	WY	0	1
1580	LOAD X	701 801	27.57-	07	6.89-	05	GLOB UNIF	WY	0	1
1581	LOAD Y	701 801	27.57	107	6.89	96	GLOB UNIF	WY	0	1
1582	LOAD Z	701 801	27.57-	10	6.89-	09	GLOB UNIF	WY	0	1
1583	LOAD X	703 803	0.00	13	6.89	11	GLOB UNIF	WY	0	1
1584	LOAD Y	703 803	0.00	171	6.89	150	GLOB UNIF	WY	0	1
1585	LOAD Z	703 803	0.00-	16	6.89-	14	GLOB UNIF	WY	0	1
1586	LOAD X	703 803	6.89	11	6.89	10	GLOB UNIF	WY	0	1
1587	LOAD Y	703 803	6.89	150	6.89	135	GLOB UNIF	WY	0	1
1588	LOAD Z	703 803	6.89-	14	6.89-	13	GLOB UNIF	WY	0	1
1589	LOAD X	703 803	13.79	10	6.89	08	GLOB UNIF	WY	0	1
1590	LOAD Y	703 803	13.79	135	6.89	121	GLOB UNIF	WY	0	1
1591	LOAD Z	703 803	13.79-	13	6.89-	11	GLOB UNIF	WY	0	1
1592	LOAD X	703 803	20.68	08	6.89	07	GLOB UNIF	WY	0	1
1593	LOAD Y	703 803	20.68	121	6.89	107	GLOB UNIF	WY	0	1
1594	LOAD Z	703 803	20.68-	11	6.89-	10	GLOB UNIF	WY	0	1
1595	LOAD X	703 803	27.57	07	6.89	05	GLOB UNIF	WY	0	1
1596	LOAD Y	703 803	27.57	107	6.89	96	GLOB UNIF	WY	0	1
1597	LOAD Z	703 803	27.57-	10	6.89-	09	GLOB UNIF	WY	0	1
1598	LOAD Y	706 806	0.00	204	6.89	181	GLOB UNIF	WY	0	1
1599	LOAD Z	706 806	0.00	34	6.89	30	GLOB UNIF	WY	0	1
1600	LOAD Y	706 806	6.89	181	6.89	165	GLOB UNIF	WY	0	1
1601	LOAD Z	706 806	6.89	30	6.89	26	GLOB UNIF	WY	0	1
1602	LOAD Y	706 806	13.79	165	6.89	151	GLOB UNIF	WY	0	1
1603	LOAD Z	706 806	13.79	28	6.89	25	GLOB UNIF	WY	0	1
1604	LOAD Y	706 806	20.68	151	6.89	137	GLOB UNIF	WY	0	1
1605	LOAD Z	706 806	20.68	25	6.89	23	GLOB UNIF	WY	0	1
1606	LOAD Y	706 806	27.58	137	6.89	128	GLOB UNIF	WY	0	1
1607	LOAD Z	706 806	27.58	23	6.89	21	GLOB UNIF	WY	0	1
1608	LOAD X	8011001	0.00-	06	3.83-	05	GLOB UNIF	WY	0	1
1609	LOAD Y	8011001	0.00	96	3.83	93	GLOB UNIF	WY	0	1
1610	LOAD Z	8011001	0.00-	09	3.83-	08	GLOB UNIF	WY	0	1
1611	LOAD X	8011001	3.83-	05	3.83-	04	GLOB UNIF	WY	0	1
1612	LOAD Y	8011001	3.83	93	3.83	89	GLOB UNIF	WY	0	1
1613	LOAD Z	8011001	3.83-	08	3.83-	06	GLOB UNIF	WY	0	1
1614	LOAD X	8011001	7.66-	04	3.83-	03	GLOB UNIF	WY	0	1
1615	LOAD Y	8011001	7.66	89	3.83	84	GLOB UNIF	WY	0	1
1616	LOAD Z	8011001	7.66-	08	3.83-	07	GLOB UNIF	WY	0	1
1617	LOAD X	8011001	11.49-	03	3.83-	03	GLOB UNIF	WY	0	1

3-PILE ALMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1018  LOAD Y  8011001  11.49    84  3.83    80               GLOB UNIF    WV 0 1
1019  LOAD Z  8011001  11.49-   07  3.83-   07               GLOB UNIF    WV 0 1
1020  LOAD X  8011001  15.32-   03  3.83-   02               GLOB UNIF    WV 0 1
1021  LOAD Y  8011001  15.32    80  3.83    77               GLOB UNIF    WV 0 1
1022  LOAD Z  8011001  15.32-   07  3.83-   07               GLOB UNIF    WV 0 1
1023  LOAD X  8011001  19.15-   02  3.83-    1               GLOB UNIF    WV 0 1
1024  LOAD Y  8011001  19.15    77  3.83    73               GLOB UNIF    WV 0 1
1025  LOAD Z  8011001  19.15-   07  3.83-   06               GLOB UNIF    WV 0 1
1026  LOAD X  8011001  22.98-    1  3.83-   03               GLOB UNIF    WV 0 1
1027  LOAD Y  8011001  22.98    73  3.83    55               GLOB UNIF    WV 0 1
1028  LOAD Z  8011001  22.98-   06  3.83-   05               GLOB UNIF    WV 0 1
1029  LOAD X  8011001  26.81-   03  3.83-    1               GLOB UNIF    WV 0 1
1030  LOAD Y  8011001  26.81    55  3.83    26               GLOB UNIF    WV 0 1
1031  LOAD Z  8011001  26.81-   05  3.83-   02               GLOB UNIF    WV 0 1
1032  LOAD X  8011001  30.64-    1  3.83                     GLOB UNIF    WV 0 1
1033  LOAD Y  8011001  30.64    26  3.41                     GLOB UNIF    WV 0 1
1034  LOAD Y  8011001  34.05         .42-   03               GLOB UNIF    WV 0 1
1035  LOAD Z  8011001  30.64-   02  3.39                     GLOB UNIF    WV 0 1
1036  LOAD X  8031003   0.00    06  3.83    05               GLOB UNIF    WV 0 1
1037  LOAD Y  8031003   0.00    98  3.83    93               GLOB UNIF    WV 0 1
1038  LOAD Z  8031003   0.00-   09  3.83-   08               GLOB UNIF    WV 0 1
1039  LOAD X  8031003   3.83    05  3.83    04               GLOB UNIF    WV 0 1
1040  LOAD Y  8031003   3.83    93  3.83    89               GLOB UNIF    WV 0 1
1041  LOAD Z  8031003   3.83-   06  3.83-   08               GLOB UNIF    WV 0 1
1042  LOAD X  8031003   7.66    04  3.83    03               GLOB UNIF    WV 0 1
1043  LOAD Y  8031003   7.66    89  3.83    84               GLOB UNIF    WV 0 1
1044  LOAD Z  8031003   7.66-   08  3.83-   07               GLOB UNIF    WV 0 1
1045  LOAD X  8031003  11.49    03  3.83    03               GLOB UNIF    WV 0 1
1046  LOAD Y  8031003  11.49    84  3.83    80               GLOB UNIF    WV 0 1
1047  LOAD Z  8031003  11.49-   07  3.83-   07               GLOB UNIF    WV 0 1
1048  LOAD X  8031003  15.32    03  3.83    02               GLOB UNIF    WV 0 1
1049  LOAD Y  8031003  15.32    80  3.83    77               GLOB UNIF    WV 0 1
1050  LOAD Z  8031003  15.32-   07  3.83-   07               GLOB UNIF    WV 0 1
1051  LOAD X  8031003  19.15    02  3.83     1               GLOB UNIF    WV 0 1
1052  LOAD Y  8031003  19.15    77  3.83    73               GLOB UNIF    WV 0 1
1053  LOAD Z  8031003  19.15-   07  3.83-   06               GLOB UNIF    WV 0 1
1054  LOAD X  8031003  22.98     1  3.83    03               GLOB UNIF    WV 0 1
1055  LOAD Y  8031003  22.98    73  3.83    55               GLOB UNIF    WV 0 1
1056  LOAD Z  8031003  22.98-   06  3.83-   05               GLOB UNIF    WV 0 1
1057  LOAD X  8031003  26.81    03  3.83     1               GLOB UNIF    WV 0 1
1058  LOAD Y  8031003  26.81    55  3.83    26               GLOB UNIF    WV 0 1
1059  LOAD Z  8031003  26.81-   05  3.83-   02               GLOB UNIF    WV 0 1
1060  LOAD X  8031003  30.64     1  3.83                     GLOB UNIF    WV 0 1
1061  LOAD Y  8031003  30.64    26  3.41                     GLOB UNIF    WV 0 1
1062  LOAD Y  8031003  34.05         .42-   03               GLOB UNIF    WV 0 1
1063  LOAD Z  8031003  30.64-   02  3.39                     GLOB UNIF    WV 0 1
1064  LOAD Y  8061006   0.00   126  4.92   123               GLOB UNIF    WV 0 1
1065  LOAD Z  8061006   0.00    21  4.92    20               GLOB UNIF    WV 0 1
1066  LOAD Y  8061006   4.92   123  4.92   118               GLOB UNIF    WV 0 1
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 1667  LOAD Z  8061006    4.92    20   4.92    20                   GLOB UNIF    WV 0 1
 1668  LOAD Y  8061006    9.65   118   4.92   112                   GLOB UNIF    WV 0 1
 1669  LOAD Z  8061006    9.65    20   4.92    19                   GLOB UNIF    WV 0 1
 1670  LOAD Y  8061006   14.77   112   4.92   109                   GLOB UNIF    WV 0 1
 1671  LOAD Z  8061006   14.77    19   4.92    18                   GLOB UNIF    WV 0 1
 1672  LOAD Y  8061006   19.70   109   4.92   104                   GLOB UNIF    WV 0 1
 1673  LOAD Z  8061006   19.70    18   4.92    17                   GLOB UNIF    WV 0 1
 1674  LOAD Y  8061006   24.62   104   4.92    73                   GLOB UNIF    WV 0 1
 1675  LOAD Z  8061006   24.62    17   4.92    12                   GLOB UNIF    WV 0 1
 1676  LOAD Y  8061006   29.54    73   4.92    43                   GLOB UNIF    WV 0 1
 1677  LOAD Z  8061006   29.54    12   4.92    07                   GLOB UNIF    WV 0 1
 1678  LOADCON   2
 1679  LOAD Y  401 510    0.00-  780                                GLOB CONC    WN 0 2
 1680  LOAD X  401 510                              0.00 472951     GLOB MOMT    WN 0 2
 1681  LOAD Y  403 511    0.00-  780                                GLOB CONC    WN 0 2
 1682  LOAD X  403 511                              0.00 472951     GLOB MOMT    WN 0 2
 1683  LOAD Y  406 512    0.00-  780                                GLOB CONC    WN 0 2
 1684  LOAD X  406 512                              0.00 472951     GLOB MOMT    WN 0 2
 1685  LOAD X  201 503   15.74    05   3.38    06                   GLOB UNIF    WV 0 2
 1686  LOAD Y  201 503   15.74-   97   3.38-  116                   GLOB UNIF    WV 0 2
 1687  LOAD Z  201 503   15.74-   10   3.38-   12                   GLOB UNIF    WV 0 2
 1688  LOAD X  201 503   19.12    06   3.38    07                   GLOB UNIF    WV 0 2
 1689  LOAD Y  201 503   19.12-  118   3.38-  140                   GLOB UNIF    WV 0 2
 1690  LOAD Z  201 503   19.12-   12   3.38-   13                   GLOB UNIF    WV 0 2
 1691  LOAD X  201 503   22.50    07   3.38    08                   GLOB UNIF    WV 0 2
 1692  LOAD Y  201 503   22.50-  140   3.38-  154                   GLOB UNIF    WV 0 2
 1693  LOAD Z  201 503   22.50-   13   3.38-   15                   GLOB UNIF    WV 0 2
 1694  LOAD X  201 503   25.89    06   3.38    08                   GLOB UNIF    WV 0 2
 1695  LOAD Y  201 503   25.89-  154   3.38-  161                   GLOB UNIF    WV 0 2
 1696  LOAD Z  201 503   25.89-   15   3.38-   15                   GLOB UNIF    WV 0 2
 1697  LOAD X  201 503   29.27    08   3.38    08                   GLOB UNIF    WV 0 2
 1698  LOAD Y  201 503   29.27-  161   3.38-  169                   GLOB UNIF    WV 0 2
 1699  LOAD Z  201 503   29.27-   15   3.38-   16                   GLOB UNIF    WV 0 2
 1700  LOAD X  203 506   23.10    26   1.91    25                   GLOB UNIF    WV 0 2
 1701  LOAD Y  203 506   23.10-   51   1.91-   50                   GLOB UNIF    WV 0 2
 1702  LOAD Z  203 506   23.10-   60   1.91-   60                   GLOB UNIF    WV 0 2
 1703  LOAD X  203 506   25.01    25   1.91    22                   GLOB UNIF    WV 0 2
 1704  LOAD Y  203 506   25.01-   50   1.91-   47                   GLOB UNIF    WV 0 2
 1705  LOAD Z  203 506   25.01-   60   1.91-   58                   GLOB UNIF    WV 0 2
 1706  LOAD X  203 506   26.92    22   1.91    20                   GLOB UNIF    WV 0 2
 1707  LOAD Y  203 506   26.92-   47   1.91-   45                   GLOB UNIF    WV 0 2
 1708  LOAD Z  203 506   26.92-   58   1.91-   56                   GLOB UNIF    WV 0 2
 1709  LOAD X  203 506   28.83    20   1.91    18                   GLOB UNIF    WV 0 2
 1710  LOAD Y  203 506   28.83-   45   1.91-   43                   GLOB UNIF    WV 0 2
 1711  LOAD Z  203 506   28.83-   56   1.91-   55                   GLOB UNIF    WV 0 2
 1712  LOAD X  203 506   30.74    18   1.91    16                   GLOB UNIF    WV 0 2
 1713  LOAD Y  203 506   30.74-   43   1.91-   41                   GLOB UNIF    WV 0 2
 1714  LOAD Z  203 506   30.74-   55   1.91-   54                   GLOB UNIF    WV 0 2
 1715  LOAD X  206 501   19.62-   79   2.56-   91                   GLOB UNIF    WV 0 2
```

STRAN INPUT DATA

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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              1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
1716	LOAD	Y	206	301	19.82-	58	2.56-	71	GLOB UNIF	WY	0	2
1717	LOAD	Z	206	301	19.82	20	2.56	31	GLOB UNIF	WY	0	2
1718	LOAD	X	206	301	22.39-	91	2.56-	94	GLOB UNIF	WY	0	2
1719	LOAD	Y	206	301	22.39-	71	2.56-	77	GLOB UNIF	WY	0	2
1720	LOAD	Z	206	301	22.39	31	2.56	37	GLOB UNIF	WY	0	2
1721	LOAD	X	206	301	24.95-	94	2.56-	97	GLOB UNIF	WY	0	2
1722	LOAD	Y	206	301	24.95-	77	2.56-	82	GLOB UNIF	WY	0	2
1723	LOAD	Z	206	301	24.95	37	2.56	43	GLOB UNIF	WY	0	2
1724	LOAD	X	206	301	27.52-	97	2.56-	99	GLOB UNIF	WY	0	2
1725	LOAD	Y	206	301	27.52-	82	2.56-	87	GLOB UNIF	WY	0	2
1726	LOAD	Z	206	301	27.52	43	2.56	49	GLOB UNIF	WY	0	2
1727	LOAD	X	206	301	30.08-	99	2.56-	101	GLOB UNIF	WY	0	2
1728	LOAD	Y	206	301	30.08-	87	2.56-	91	GLOB UNIF	WY	0	2
1729	LOAD	Z	206	301	30.08	49	2.56	54	GLOB UNIF	WY	0	2
1730	LOAD	X	301	403	0.00	10	6.13	12	GLOB UNIF	WY	0	2
1731	LOAD	Y	301	403	0.00-	169	6.13-	197	GLOB UNIF	WY	0	2
1732	LOAD	Z	301	403	0.00-	10	6.13-	12	GLOB UNIF	WY	0	2
1733	LOAD	X	301	403	6.13	12	6.13	12	GLOB UNIF	WY	0	2
1734	LOAD	Y	301	403	6.13-	197	6.13-	199	GLOB UNIF	WY	0	2
1735	LOAD	Z	301	403	6.13-	12	6.13-	13	GLOB UNIF	WY	0	2
1736	LOAD	X	301	403	16.26	12	6.13	12	GLOB UNIF	WY	0	2
1737	LOAD	Y	301	403	16.26-	199	6.13-	192	GLOB UNIF	WY	0	2
1738	LOAD	Z	301	403	16.26-	13	6.13-	12	GLOB UNIF	WY	0	2
1739	LOAD	X	301	403	24.40	12	6.13	12	GLOB UNIF	WY	0	2
1740	LOAD	Y	301	403	24.40-	192	6.13-	150	GLOB UNIF	WY	0	2
1741	LOAD	Z	301	403	24.40-	12	6.13-	12	GLOB UNIF	WY	0	2
1742	LOAD	X	301	403	32.53	12	6.13	11	GLOB UNIF	WY	0	2
1743	LOAD	Y	301	403	32.53-	150	6.13-	120	GLOB UNIF	WY	0	2
1744	LOAD	Z	301	403	32.53-	12	6.13-	11	GLOB UNIF	WY	0	2
1745	LOAD	Y	301	303	0.00-	136	5.80-	136	GLOB UNIF	WY	0	2
1746	LOAD	Z	301	303	0.00-	14	5.80-	14	GLOB UNIF	WY	0	2
1747	LOAD	Y	301	303	5.80-	136	5.80-	136	GLOB UNIF	WY	0	2
1748	LOAD	Z	301	303	5.80-	14	5.80-	14	GLOB UNIF	WY	0	2
1749	LOAD	Y	301	303	11.60-	138	5.80-	138	GLOB UNIF	WY	0	2
1750	LOAD	Z	301	303	11.60-	14	5.80-	14	GLOB UNIF	WY	0	2
1751	LOAD	Y	301	303	17.40-	138	5.80-	138	GLOB UNIF	WY	0	2
1752	LOAD	Z	301	303	17.40-	14	5.80-	14	GLOB UNIF	WY	0	2
1753	LOAD	Y	301	303	23.20-	138	5.80-	138	GLOB UNIF	WY	0	2
1754	LOAD	Z	301	303	23.20-	14	5.80-	14	GLOB UNIF	WY	0	2
1755	LOAD	X	303	306	0.00	60	5.80	63	GLOB UNIF	WY	0	2
1756	LOAD	Y	303	306	0.00-	35	5.80-	38	GLOB UNIF	WY	0	2
1757	LOAD	Z	303	306	0.00-	14	5.80-	18	GLOB UNIF	WY	0	2
1758	LOAD	X	303	306	5.80	63	5.80	61	GLOB UNIF	WY	0	2
1759	LOAD	Y	303	306	5.80-	38	5.80-	35	GLOB UNIF	WY	0	2
1760	LOAD	Z	303	306	5.80-	18	5.80-	21	GLOB UNIF	WY	0	2
1761	LOAD	X	303	306	11.60	61	5.80	52	GLOB UNIF	WY	0	2
1762	LOAD	Y	303	306	11.60-	35	5.80-	30	GLOB UNIF	WY	0	2
1763	LOAD	Z	303	306	11.60-	21	5.80-	23	GLOB UNIF	WY	0	2
1764	LOAD	X	303	306	17.40	52	5.80	41	GLOB UNIF	WY	0	2

3-PILE ACTR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

1765	LOAD	Y	503	506	17.40-	30	5.60-	24	GLOB UNIF	WV	0 2
1766	LOAD	Z	503	506	17.40-	23	5.60-	25	GLOB UNIF	WV	0 2
1767	LOAD	X	503	506	23.20	41	5.60	27	GLOB UNIF	WV	0 2
1768	LOAD	Y	503	506	23.20-	24	5.60-	16	GLOB UNIF	WV	0 2
1769	LOAD	Z	503	506	23.20-	25	5.60-	26	GLOB UNIF	WV	0 2
1770	LOAD	X	501	506	0.00-	60	5.60-	53	GLOB UNIF	WV	0 2
1771	LOAD	Y	501	506	0.00-	55	5.60-	36	GLOB UNIF	WV	0 2
1772	LOAD	Z	501	506	0.00-	14	5.60-	16	GLOB UNIF	WV	0 2
1773	LOAD	X	501	506	5.60-	63	5.60-	61	GLOB UNIF	WV	0 2
1774	LOAD	Y	501	506	5.60-	36	5.60-	35	GLOB UNIF	WV	0 2
1775	LOAD	Z	501	506	5.60-	16	5.60-	21	GLOB UNIF	WV	0 2
1776	LOAD	X	501	506	11.60-	61	5.60-	52	GLOB UNIF	WV	0 2
1777	LOAD	Y	501	506	11.60-	35	5.60-	30	GLOB UNIF	WV	0 2
1778	LOAD	Z	501	506	11.60-	21	5.60-	23	GLOB UNIF	WV	0 2
1779	LOAD	X	501	506	17.40-	52	5.60-	41	GLOB UNIF	WV	0 2
1780	LOAD	Y	501	506	17.40-	30	5.60-	24	GLOB UNIF	WV	0 2
1781	LOAD	Z	501	506	17.40-	23	5.60-	25	GLOB UNIF	WV	0 2
1782	LOAD	X	501	506	23.20-	41	5.60-	27	GLOB UNIF	WV	0 2
1783	LOAD	Y	501	506	23.20-	24	5.60-	16	GLOB UNIF	WV	0 2
1784	LOAD	Z	501	506	23.20-	25	5.60-	26	GLOB UNIF	WV	0 2
1785	LOAD	Y	501	502	0.00-	70	3.03-	70	GLOB UNIF	WV	0 2
1786	LOAD	Z	501	502	0.00-	09	3.03-	09	GLOB UNIF	WV	0 2
1787	LOAD	Y	501	502	3.03-	70	3.03-	70	GLOB UNIF	WV	0 2
1788	LOAD	Z	501	502	3.03-	09	3.03-	09	GLOB UNIF	WV	0 2
1789	LOAD	Y	501	502	6.06-	70	3.03-	70	GLOB UNIF	WV	0 2
1790	LOAD	Z	501	502	6.06-	09	3.03-	09	GLOB UNIF	WV	0 2
1791	LOAD	Y	501	502	9.09-	70	3.03-	70	GLOB UNIF	WV	0 2
1792	LOAD	Z	501	502	9.09-	09	3.03-	09	GLOB UNIF	WV	0 2
1793	LOAD	Y	501	502	12.12-	70	3.03-	70	GLOB UNIF	WV	0 2
1794	LOAD	Z	501	502	12.12-	09	3.03-	09	GLOB UNIF	WV	0 2
1795	LOAD	Y	502	503	0.00-	70	3.03-	70	GLOB UNIF	WV	0 2
1796	LOAD	Z	502	503	0.00-	09	3.03-	09	GLOB UNIF	WV	0 2
1797	LOAD	Y	502	503	3.03-	70	3.03-	70	GLOB UNIF	WV	0 2
1798	LOAD	Z	502	503	3.03-	09	3.03-	09	GLOB UNIF	WV	0 2
1799	LOAD	Y	502	503	6.06-	70	3.03-	70	GLOB UNIF	WV	0 2
1800	LOAD	Z	502	503	6.06-	09	3.03-	09	GLOB UNIF	WV	0 2
1801	LOAD	Y	502	503	9.09-	70	3.03-	70	GLOB UNIF	WV	0 2
1802	LOAD	Z	502	503	9.09-	09	3.03-	09	GLOB UNIF	WV	0 2
1803	LOAD	Y	502	503	12.12-	70	3.03-	70	GLOB UNIF	WV	0 2
1804	LOAD	Z	502	503	12.12-	09	3.03-	09	GLOB UNIF	WV	0 2
1805	LOAD	X	503	505	0.00	30	3.03	30	GLOB UNIF	WV	0 2
1806	LOAD	Y	503	505	0.00-	17	3.03-	17	GLOB UNIF	WV	0 2
1807	LOAD	Z	503	505	0.00-	09	3.03-	09	GLOB UNIF	WV	0 2
1808	LOAD	X	503	505	3.03	30	3.03	30	GLOB UNIF	WV	0 2
1809	LOAD	Y	503	505	3.03-	17	3.03-	17	GLOB UNIF	WV	0 2
1810	LOAD	Z	503	505	3.03-	09	3.03-	10	GLOB UNIF	WV	0 2
1811	LOAD	X	503	505	6.06	30	3.03	30	GLOB UNIF	WV	0 2
1812	LOAD	Y	503	505	6.06-	17	3.03-	17	GLOB UNIF	WV	0 2
1813	LOAD	Z	503	505	6.06-	10	3.03-	10	GLOB UNIF	WV	0 2

STRAN INPUT DATA

3-PILE ACPH STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
1014	LOAD X	503 505	9.09	30	3.03	29	GLOB UNIF	WV	0	2	
1015	LOAD Y	503 505	9.09-	17	3.03-	17	GLOB UNIF	WV	0	2	
1016	LOAD Z	503 505	9.09-	10	3.03-	10	GLOB UNIF	WV	0	2	
1017	LOAD X	503 505	12.12	29	3.03	29	GLOB UNIF	WV	0	2	
1018	LOAD Y	503 505	12.12-	17	3.03-	17	GLOB UNIF	WV	0	2	
1019	LOAD Z	503 505	12.12-	10	3.03-	10	GLOB UNIF	WV	0	2	
1020	LOAD X	505 506	0.00	29	3.03	28	GLOB UNIF	WV	0	2	
1021	LOAD Y	505 506	0.00-	17	3.03-	16	GLOB UNIF	WV	0	2	
1022	LOAD Z	505 506	0.00-	10	3.03-	10	GLOB UNIF	WV	0	2	
1023	LOAD X	505 506	3.03	28	3.03	28	GLOB UNIF	WV	0	2	
1024	LOAD Y	505 506	3.03-	16	3.03-	16	GLOB UNIF	WV	0	2	
1025	LOAD Z	505 506	3.03-	10	3.03-	10	GLOB UNIF	WV	0	2	
1026	LOAD X	505 506	6.06	28	3.03	27	GLOB UNIF	WV	0	2	
1027	LOAD Y	505 506	6.06-	16	3.03-	15	GLOB UNIF	WV	0	2	
1028	LOAD Z	505 506	6.06-	10	3.03-	10	GLOB UNIF	WV	0	2	
1029	LOAD X	505 506	9.09	27	3.03	26	GLOB UNIF	WV	0	2	
1030	LOAD Y	505 506	9.09-	15	3.03-	15	GLOB UNIF	WV	0	2	
1031	LOAD Z	505 506	9.09-	10	3.03-	11	GLOB UNIF	WV	0	2	
1032	LOAD X	505 506	12.12	26	3.03	25	GLOB UNIF	WV	0	2	
1033	LOAD Y	505 506	12.12-	15	3.03-	15	GLOB UNIF	WV	0	2	
1034	LOAD Z	505 506	12.12-	11	3.03-	11	GLOB UNIF	WV	0	2	
1035	LOAD X	501 504	0.00-	30	3.03-	30	GLOB UNIF	WV	0	2	
1036	LOAD Y	501 504	0.00-	17	3.03-	17	GLOB UNIF	WV	0	2	
1037	LOAD Z	501 504	0.00-	09	3.03-	09	GLOB UNIF	WV	0	2	
1038	LOAD X	501 504	3.03-	30	3.03-	30	GLOB UNIF	WV	0	2	
1039	LOAD Y	501 504	3.03-	17	3.03-	17	GLOB UNIF	WV	0	2	
1040	LOAD Z	501 504	3.03-	09	3.03-	10	GLOB UNIF	WV	0	2	
1041	LOAD X	501 504	6.06-	30	3.03-	30	GLOB UNIF	WV	0	2	
1042	LOAD Y	501 504	6.06-	17	3.04-	17	GLOB UNIF	WV	0	2	
1043	LOAD Z	501 504	6.06-	10	3.03-	10	GLOB UNIF	WV	0	2	
1044	LOAD X	501 504	9.09-	30	3.03-	29	GLOB UNIF	WV	0	2	
1045	LOAD Y	501 504	9.09-	17	3.03-	17	GLOB UNIF	WV	0	2	
1046	LOAD Z	501 504	9.09-	10	3.03-	10	GLOB UNIF	WV	0	2	
1047	LOAD X	501 504	12.12-	29	3.03-	29	GLOB UNIF	WV	0	2	
1048	LOAD Y	501 504	12.12-	17	3.03-	17	GLOB UNIF	WV	0	2	
1049	LOAD Z	501 504	12.12-	10	3.03-	10	GLOB UNIF	WV	0	2	
1050	LOAD X	504 506	0.00-	29	3.03-	28	GLOB UNIF	WV	0	2	
1051	LOAD Y	504 506	0.00-	17	3.03-	16	GLOB UNIF	WV	0	2	
1052	LOAD Z	504 506	0.00-	10	3.03-	10	GLOB UNIF	WV	0	2	
1053	LOAD X	504 506	3.03-	28	3.03-	28	GLOB UNIF	WV	0	2	
1054	LOAD Y	504 506	3.03-	16	3.03-	16	GLOB UNIF	WV	0	2	
1055	LOAD Z	504 506	3.03-	10	3.03-	10	GLOB UNIF	WV	0	2	
1056	LOAD X	504 506	6.06-	28	3.03-	27	GLOB UNIF	WV	0	2	
1057	LOAD Y	504 506	6.06-	16	3.03-	15	GLOB UNIF	WV	0	2	
1058	LOAD Z	504 506	6.06-	10	3.03-	10	GLOB UNIF	WV	0	2	
1059	LOAD X	504 506	9.09-	27	3.03-	26	GLOB UNIF	WV	0	2	
1060	LOAD Y	504 506	9.09-	15	3.03-	15	GLOB UNIF	WV	0	2	
1061	LOAD Z	504 506	9.09-	10	3.03-	11	GLOB UNIF	WV	0	2	
1062	LOAD X	504 506	12.12-	26	3.03-	25	GLOB UNIF	WV	0	2	

3-PILE ACMA STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  1863  LOAD Y  504 505   12.12-   15   3.03-   15              GLOB UNIF   NV 0 2
  1864  LOAD Z  504 505   12.12-   11   3.03-   11              GLOB UNIF   NV 0 2
  1865  LOAD A  502 504    0.00    20   3.03    20              GLOB UNIF   NV 0 2
  1866  LOAD Y  502 504    0.00-   12   3.03-   12              GLOB UNIF   NV 0 2
  1867  LOAD Z  502 504    0.00-   04   3.03-   04              GLOB UNIF   NV 0 2
  1868  LOAD A  502 504    3.03    20   3.03    20              GLOB UNIF   NV 0 2
  1869  LOAD Y  502 504    3.03-   12   3.03-   12              GLOB UNIF   NV 0 2
  1870  LOAD Z  502 504    3.03-   04   3.03-   04              GLOB UNIF   NV 0 2
  1871  LOAD A  502 504    6.06    20   3.03    20              GLOB UNIF   NV 0 2
  1872  LOAD Y  502 504    6.06-   12   3.03-   11              GLOB UNIF   NV 0 2
  1873  LOAD Z  502 504    6.06-   04   3.03-   04              GLOB UNIF   NV 0 2
  1874  LOAD A  502 504    9.09    20   3.03    20              GLOB UNIF   NV 0 2
  1875  LOAD Y  502 504    9.09-   11   3.03-   11              GLOB UNIF   NV 0 2
  1876  LOAD Z  502 504    9.09-   04   3.03-   05              GLOB UNIF   NV 0 2
  1877  LOAD A  502 504   12.12    20   3.03    19              GLOB UNIF   NV 0 2
  1878  LOAD Y  502 504   12.12-   11   3.03-   11              GLOB UNIF   NV 0 2
  1879  LOAD Z  502 504   12.12-   05   3.03-   05              GLOB UNIF   NV 0 2
  1880  LOAD A  502 505    0.00-   20   3.03-   20              GLOB UNIF   NV 0 2
  1881  LOAD Y  502 505    0.00-   12   3.03-   12              GLOB UNIF   NV 0 2
  1882  LOAD Z  502 505     .00-   04   3.03-   04              GLOB UNIF   NV 0 2
  1883  LOAD A  502 505    3.03-   20   3.03-   20              GLOB UNIF   NV 0 2
  1884  LOAD Y  502 505    3.03-   12   3.03-   12              GLOB UNIF   NV 0 2
  1885  LOAD Z  502 505    3.03-   04   3.03-   04              GLOB UNIF   NV 0 2
  1886  LOAD A  502 505    6.06-   20   3.03-   20              GLOB UNIF   NV 0 2
  1887  LOAD Y  502 505    6.06-   12   3.03-   11              GLOB UNIF   NV 0 2
  1888  LOAD Z  502 505    6.06-   04   3.03-   04              GLOB UNIF   NV 0 2
  1889  LOAD A  502 505    9.09-   20   3.03-   20              GLOB UNIF   NV 0 2
  1890  LOAD Y  502 505    9.09-   11   3.03-   11              GLOB UNIF   NV 0 2
  1891  LOAD Z  502 505    9.09-   04   3.03-   05              GLOB UNIF   NV 0 2
  1892  LOAD A  502 505   12.12-   20   3.03-   19              GLOB UNIF   NV 0 2
  1893  LOAD Y  502 505   12.12-   11   3.03-   11              GLOB UNIF   NV 0 2
  1894  LOAD Z  502 505   12.12-   05   3.03-   05              GLOB UNIF   NV 0 2
  1895  LOAD Y  504 505    0.00-   45   3.03-   45              GLOB UNIF   NV 0 2
  1896  LOAD Z  504 505    0.00-   05   3.03-   05              GLOB UNIF   NV 0 2
  1897  LOAD Y  504 505    3.03-   45   3.03-   45              GLOB UNIF   NV 0 2
  1898  LOAD Z  504 505    3.03-   05   3.03-   05              GLOB UNIF   NV 0 2
  1899  LOAD Y  504 505    6.06-   45   3.03-   45              GLOB UNIF   NV 0 2
  1900  LOAD Z  504 505    6.06-   05   3.03-   05              GLOB UNIF   NV 0 2
  1901  LOAD Y  504 505    9.10-   45   3.03-   45              GLOB UNIF   NV 0 2
  1902  LOAD Z  504 505    9.10-   05   3.03-   05              GLOB UNIF   NV 0 2
  1903  LOAD Y  504 505   12.13-   45   3.03-   45              GLOB UNIF   NV 0 2
  1904  LOAD Z  504 505   12.13-   05   3.03-   05              GLOB UNIF   NV 0 2
  1905  LOAD A  501 513    0.00-   23    .00-   23              GLOB UNIF   NV 0 2
  1906  LOAD Y  501 513    0.00-   39    .00-   39              GLOB UNIF   NV 0 2
  1907  LOAD Z  501 513    0.00-   05    .00-   05              GLOB UNIF   NV 0 2
  1908  LOAD A  501 513     .00-   23    .00-   23              GLOB UNIF   NV 0 2
  1909  LOAD Y  501 513     .00-   39    .00-   39              GLOB UNIF   NV 0 2
  1910  LOAD Z  501 513     .00-   05    .00-   05              GLOB UNIF   NV 0 2
  1911  LOAD A  501 513    1.20-   23    .00-   23              GLOB UNIF   NV 0 2
```

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    1912  LOAD Y  501 513   1.20-    39   .60-    39               GLOB UNIF    MV 0 2
    1913  LOAD Z  501 513   1.20-    05   .60-    05               GLOB UNIF    MV 0 2
    1914  LOAD X  501 513   1.80-    23   .60-    23               GLOB UNIF    MV 0 2
    1915  LOAD Y  501 513   1.80-    39   .60-    39               GLOB UNIF    MV 0 2
    1916  LOAD Z  501 513   1.80-    05   .60-    05               GLOB UNIF    MV 0 2
    1917  LOAD X  501 513   2.39-    23   .60-    23               GLOB UNIF    MV 0 2
    1918  LOAD Y  501 513   2.39-    39   .60-    39               GLOB UNIF    MV 0 2
    1919  LOAD Z  501 513   2.39-    05   .60-    05               GLOB UNIF    MV 0 2
    1920  LOAD X  503 514   0.00     23   .60     23               GLOB UNIF    MV 0 2
    1921  LOAD Y  503 514   0.00-    39   .60-    39               GLOB UNIF    MV 0 2
    1922  LOAD Z  503 514   0.00-    05   .60-    05               GLOB UNIF    MV 0 2
    1923  LOAD X  503 514    .60     23   .60     23               GLOB UNIF    MV 0 2
    1924  LOAD Y  503 514    .60-    39   .60-    39               GLOB UNIF    MV 0 2
    1925  LOAD Z  503 514    .60-    05   .60-    05               GLOB UNIF    MV 0 2
    1926  LOAD X  503 514   1.20     23   .60     23               GLOB UNIF    MV 0 2
    1927  LOAD Y  503 514   1.20-    39   .60-    39               GLOB UNIF    MV 0 2
    1928  LOAD Z  503 514   1.20-    05   .60-    05               GLOB UNIF    MV 0 2
    1929  LOAD X  503 514   1.80     23   .60     23               GLOB UNIF    MV 0 2
    1930  LOAD Y  503 514   1.80-    39   .60-    39               GLOB UNIF    MV 0 2
    1931  LOAD Z  503 514   1.80-    05   .60-    05               GLOB UNIF    MV 0 2
    1932  LOAD X  503 514   2.39     23   .60     23               GLOB UNIF    MV 0 2
    1933  LOAD Y  503 514   2.39-    39   .60-    39               GLOB UNIF    MV 0 2
    1934  LOAD Z  503 514   2.39-    05   .60-    05               GLOB UNIF    MV 0 2
    1935  LOAD Y  513 651   0.00-   199  3.60-   172               GLOB UNIF    MV 0 2
    1936  LOAD Y  513 651   3.60-   172  3.60-   160               GLOB UNIF    MV 0 2
    1937  LOAD Y  513 651   7.20-   160  3.60-   147               GLOB UNIF    MV 0 2
    1938  LOAD Y  513 651  10.80-   147  3.60-   137               GLOB UNIF    MV 0 2
    1939  LOAD Y  513 651  14.40-   137  3.60-   128               GLOB UNIF    MV 0 2
    1940  LOAD Y  514 653   0.00-   199  3.60-   172               GLOB UNIF    MV 0 2
    1941  LOAD Y  514 653   3.60-   172  3.60-   160               GLOB UNIF    MV 0 2
    1942  LOAD Y  514 653   7.20-   160  3.60-   147               GLOB UNIF    MV 0 2
    1943  LOAD Y  514 653  10.80-   147  3.60-   137               GLOB UNIF    MV 0 2
    1944  LOAD Y  514 653  14.40-   137  3.60-   128               GLOB UNIF    MV 0 2
    1945  LOAD Z  601 611   0.00-    06  1.20-    06               GLOB UNIF    MV 0 2
    1946  LOAD Z  601 611   1.20-    06  1.20-    06               GLOB UNIF    MV 0 2
    1947  LOAD Z  601 611   2.40-    06  1.20-    06               GLOB UNIF    MV 0 2
    1948  LOAD Z  601 611   3.60-    06  1.20-    05               GLOB UNIF    MV 0 2
    1949  LOAD Z  601 611   4.80-    05  1.20-    05               GLOB UNIF    MV 0 2
    1950  LOAD Z  603 613   0.00-    06  1.20-    06               GLOB UNIF    MV 0 2
    1951  LOAD Z  603 613   1.20-    06  1.20-    06               GLOB UNIF    MV 0 2
    1952  LOAD Z  603 613   2.40-    06  1.20-    06               GLOB UNIF    MV 0 2
    1953  LOAD Z  603 613   3.60-    06  1.20-    05               GLOB UNIF    MV 0 2
    1954  LOAD Z  603 613   4.80-    05  1.20-    05               GLOB UNIF    MV 0 2
    1955  LOAD Z  651 661   0.00-    02  1.00-    02               GLOB UNIF    MV 0 2
    1956  LOAD Z  651 661   1.00-    02  1.00-    02               GLOB UNIF    MV 0 2
    1957  LOAD Z  651 661   2.00-    02  1.00-     1               GLOB UNIF    MV 0 2
    1958  LOAD Z  651 661   3.00-     1  1.00-     1               GLOB UNIF    MV 0 2
    1959  LOAD Z  651 661   4.00-     1  1.00-     1               GLOB UNIF    MV 0 2
    1960  LOAD Z  653 663   0.00-    02  1.00-    02               GLOB UNIF    MV 0 2
```

3-PILE ACAR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   1961  LOAD Z  653 663    1.00-    02   1.00-    02               GLOB UNIF     WV 0 2
   1962  LOAD Z  653 663    2.00-    02   1.00-     1               GLOB UNIF     WV 0 2
   1963  LOAD Z  653 663    3.00-     1   1.00-     1               GLOB UNIF     WV 0 2
   1964  LOAD Z  653 663    4.00-     1   1.00-     1               GLOB UNIF     WV 0 2
   1965  LOAD Y  611 612    0.00-    45   3.20-    45               GLOB UNIF     WV 0 2
   1966  LOAD Z  611 612    0.00-    04   3.20-    04               GLOB UNIF     WV 0 2
   1967  LOAD Y  611 612    3.20-    45   3.20-    45               GLOB UNIF     WV 0 2
   1968  LOAD Z  611 612    3.20-    04   3.20-    04               GLOB UNIF     WV 0 2
   1969  LOAD Y  611 612    6.40-    45   3.20-    45               GLOB UNIF     WV 0 2
   1970  LOAD Z  611 612    6.40-    04   3.20-    04               GLOB UNIF     WV 0 2
   1971  LOAD Y  611 612    9.61-    45   3.20-    45               GLOB UNIF     WV 0 2
   1972  LOAD Z  611 612    9.61-    04   3.20-    04               GLOB UNIF     WV 0 2
   1973  LOAD Y  611 612   12.81-    45   3.20-    45               GLOB UNIF     WV 0 2
   1974  LOAD Z  611 612   12.81-    04   3.20-    04               GLOB UNIF     WV 0 2
   1975  LOAD Y  612 613    0.00-    45   3.20-    45               GLOB UNIF     WV 0 2
   1976  LOAD Z  612 613    0.00-    04   3.20-    04               GLOB UNIF     WV 0 2
   1977  LOAD Y  612 613    3.20-    45   3.20-    45               GLOB UNIF     WV 0 2
   1978  LOAD Z  612 613    3.20-    04   3.20-    04               GLOB UNIF     WV 0 2
   1979  LOAD Y  612 613    6.40-    45   3.20-    45               GLOB UNIF     WV 0 2
   1980  LOAD Z  612 613    6.40-    04   3.20-    04               GLOB UNIF     WV 0 2
   1981  LOAD Y  612 613    9.61-    45   3.20-    45               GLOB UNIF     WV 0 2
   1982  LOAD Z  612 613    9.61-    04   3.20-    04               GLOB UNIF     WV 0 2
   1983  LOAD Y  612 613   12.81-    45   3.20-    45               GLOB UNIF     WV 0 2
   1984  LOAD Z  612 613   12.81-    04   3.20-    04               GLOB UNIF     WV 0 2
   1985  LOAD Y  661 662    0.00-    77   3.55-    77               GLOB UNIF     WV 0 2
   1986  LOAD Z  661 662    0.00-    03   3.55-    03               GLOB UNIF     WV 0 2
   1987  LOAD Y  661 662    3.55-    77   3.55-    77               GLOB UNIF     WV 0 2
   1988  LOAD Z  661 662    3.55-    03   3.55-    03               GLOB UNIF     WV 0 2
   1989  LOAD Y  661 662    7.10-    77   3.55-    77               GLOB UNIF     WV 0 2
   1990  LOAD Z  661 662    7.10-    03   3.55-    03               GLOB UNIF     WV 0 2
   1991  LOAD Y  661 662   10.64-    77   3.55-    77               GLOB UNIF     WV 0 2
   1992  LOAD Z  661 662   10.64-    03   3.55-    03               GLOB UNIF     WV 0 2
   1993  LOAD Y  661 662   14.19-    77   3.55-    77               GLOB UNIF     WV 0 2
   1994  LOAD Z  661 662   14.19-    03   3.55-    03               GLOB UNIF     WV 0 2
   1995  LOAD Y  662 663    0.00-    77   3.55-    77               GLOB UNIF     WV 0 2
   1996  LOAD Z  662 663    0.00-    03   3.55-    03               GLOB UNIF     WV 0 2
   1997  LOAD Y  662 663    3.55-    77   3.55-    77               GLOB UNIF     WV 0 2
   1998  LOAD Z  662 663    3.55-    03   3.55-    03               GLOB UNIF     WV 0 2
   1999  LOAD Y  662 663    7.10-    77   3.55-    77               GLOB UNIF     WV 0 2
   2000  LOAD Z  662 663    7.10-    03   3.55-    03               GLOB UNIF     WV 0 2
   2001  LOAD Y  662 663   10.64-    77   3.55-    77               GLOB UNIF     WV 0 2
   2002  LOAD Z  662 663   10.64-    03   3.55-    03               GLOB UNIF     WV 0 2
   2003  LOAD Y  662 663   14.19-    77   3.55-    77               GLOB UNIF     WV 0 2
   2004  LOAD Z  662 663   14.19-    03   3.55-    03               GLOB UNIF     WV 0 2
   2005  LOAD X  611 661    0.00-    04   2.42-    04               GLOB UNIF     WV 0 2
   2006  LOAD Y  611 661    0.00-   121   2.42-   115               GLOB UNIF     WV 0 2
   2007  LOAD X  611 661    2.42-    04   2.42-    03               GLOB UNIF     WV 0 2
   2008  LOAD Y  611 661    2.42-   115   2.42-   109               GLOB UNIF     WV 0 2
   2009  LOAD X  611 661    4.85-    03   2.42-    03               GLOB UNIF     WV 0 2
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STRAN INPUT DATA

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.									
2010	LOAD Y	611 661	4.85-	109	2.42-	103	GLOB UNIF	WV 0 2
2011	LOAD X	611 661	7.27-	03	2.42-	03	GLOB UNIF	WV 0 2
2012	LOAD Y	611 661	7.27-	103	2.42-	99	GLOB UNIF	WV 0 2
2013	LOAD X	611 661	9.70-	03	2.42-	03	GLOB UNIF	WV 0 2
2014	LOAD Y	611 661	9.70-	99	2.42-	95	GLOB UNIF	WV 0 2
2015	LOAD Y	612 662	0.00-	77	2.40-	73	GLOB UNIF	WV 0 2
2016	LOAD Y	612 662	2.40-	73	2.40-	70	GLOB UNIF	WV 0 2
2017	LOAD Y	612 662	4.80-	70	2.40-	66	GLOB UNIF	WV 0 2
2018	LOAD Y	612 662	7.20-	66	2.40-	63	GLOB UNIF	WV 0 2
2019	LOAD Y	612 662	9.60-	63	2.40-	61	GLOB UNIF	WV 0 2
2020	LOAD X	613 663	0.00	04	2.42	04	GLOB UNIF	WV 0 2
2021	LOAD Y	613 663	0.00-	121	2.42-	115	GLOB UNIF	WV 0 2
2022	LOAD X	613 663	2.42	04	2.42	03	GLOB UNIF	WV 0 2
2023	LOAD Y	613 663	2.42-	115	2.42-	109	GLOB UNIF	WV 0 2
2024	LOAD X	613 663	4.85	03	2.42	03	GLOB UNIF	WV 0 2
2025	LOAD Y	613 663	4.85-	109	2.42-	103	GLOB UNIF	WV 0 2
2026	LOAD X	613 663	7.27	03	2.42	03	GLOB UNIF	WV 0 2
2027	LOAD Y	613 663	7.27-	103	2.42-	99	GLOB UNIF	WV 0 2
2028	LOAD X	613 663	9.70	03	2.42	03	GLOB UNIF	WV 0 2
2029	LOAD Y	613 663	9.70-	99	2.42-	95	GLOB UNIF	WV 0 2
2030	LOAD X	501 632	0.00	10	4.05	10	GLOB UNIF	WV 0 2
2031	LOAD Y	501 632	0.00-	88	4.05-	83	GLOB UNIF	WV 0 2
2032	LOAD Z	501 632	0.00-	07	4.05-	07	GLOB UNIF	WV 0 2
2033	LOAD X	501 632	4.05	10	4.05	09	GLOB UNIF	WV 0 2
2034	LOAD Y	501 632	4.05-	83	4.05-	78	GLOB UNIF	WV 0 2
2035	LOAD Z	501 632	4.05-	07	4.05-	06	GLOB UNIF	WV 0 2
2036	LOAD X	501 632	8.10	09	4.05	09	GLOB UNIF	WV 0 2
2037	LOAD Y	501 632	8.10-	78	4.05-	75	GLOB UNIF	WV 0 2
2038	LOAD Z	501 632	8.10-	06	4.05-	06	GLOB UNIF	WV 0 2
2039	LOAD X	501 632	12.15	09	4.05	09	GLOB UNIF	WV 0 2
2040	LOAD Y	501 632	12.15-	75	4.05-	71	GLOB UNIF	WV 0 2
2041	LOAD Z	501 632	12.15-	06	4.05-	06	GLOB UNIF	WV 0 2
2042	LOAD X	501 632	16.20	09	4.05	08	GLOB UNIF	WV 0 2
2043	LOAD Y	501 632	16.20-	71	4.05-	67	GLOB UNIF	WV 0 2
2044	LOAD Z	501 632	16.20-	06	4.05-	06	GLOB UNIF	WV 0 2
2045	LOAD X	503 635	0.00	20	4.05	18	GLOB UNIF	WV 0 2
2046	LOAD Y	503 635	0.00-	49	4.05-	46	GLOB UNIF	WV 0 2
2047	LOAD Z	503 635	0.00-	47	4.05-	44	GLOB UNIF	WV 0 2
2048	LOAD X	503 635	4.05	18	4.05	17	GLOB UNIF	WV 0 2
2049	LOAD Y	503 635	4.05-	46	4.05-	43	GLOB UNIF	WV 0 2
2050	LOAD Z	503 635	4.05-	44	4.05-	42	GLOB UNIF	WV 0 2
2051	LOAD X	503 635	8.10	17	4.05	16	GLOB UNIF	WV 0 2
2052	LOAD Y	503 635	8.10-	43	4.05-	41	GLOB UNIF	WV 0 2
2053	LOAD Z	503 635	8.10-	42	4.05-	40	GLOB UNIF	WV 0 2
2054	LOAD X	503 635	12.15	16	4.05	15	GLOB UNIF	WV 0 2
2055	LOAD Y	503 635	12.15-	41	4.05-	38	GLOB UNIF	WV 0 2
2056	LOAD Z	503 635	12.15-	40	4.05-	38	GLOB UNIF	WV 0 2
2057	LOAD X	503 635	16.20	15	4.05	13	GLOB UNIF	WV 0 2
2058	LOAD Y	503 635	16.20-	38	4.05-	36	GLOB UNIF	WV 0 2

STRAN INPUT DATA

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2059	LOAD Z	503 635	16.20-	36	4.05-	35	GLOB	UNIF	WV	0 2
2060	LOAD X	506 634	0.00-	25	4.05-	25	GLOB	UNIF	WV	0 2
2061	LOAD Y	506 634	0.00-	32	4.05-	32	GLOB	UNIF	WV	0 2
2062	LOAD Z	506 634	0.00	16	4.05	17	GLOB	UNIF	WV	0 2
2063	LOAD X	506 634	4.05-	25	4.05-	24	GLOB	UNIF	WV	0 2
2064	LOAD Y	506 634	4.05-	32	4.05-	32	GLOB	UNIF	WV	0 2
2065	LOAD Z	506 634	4.05	17	4.05	16	GLOB	UNIF	WV	0 2
2066	LOAD X	506 634	6.10-	24	4.05-	24	GLOB	UNIF	WV	0 2
2067	LOAD Y	506 634	6.10-	32	4.05-	31	GLOB	UNIF	WV	0 2
2068	LOAD Z	506 634	6.10	16	4.05	16	GLOB	UNIF	WV	0 2
2069	LOAD X	506 634	12.14-	24	4.05-	23	GLOB	UNIF	WV	0 2
2070	LOAD Y	506 634	12.14-	31	4.05-	31	GLOB	UNIF	WV	0 2
2071	LOAD Z	506 634	12.14	16	4.05	17	GLOB	UNIF	WV	0 2
2072	LOAD X	506 634	16.19-	23	4.05-	22	GLOB	UNIF	WV	0 2
2073	LOAD Y	506 634	16.19-	31	4.05-	30	GLOB	UNIF	WV	0 2
2074	LOAD Z	506 634	16.19	17	4.05	17	GLOB	UNIF	WV	0 2
2075	LOAD X	652 703	0.00	10	4.39	09	GLOB	UNIF	WV	0 2
2076	LOAD Y	652 703	0.00-	100	4.39-	95	GLOB	UNIF	WV	0 2
2077	LOAD Z	652 703	0.00-	05	4.39-	05	GLOB	UNIF	WV	0 2
2078	LOAD X	652 703	4.39	09	4.39	09	GLOB	UNIF	WV	0 2
2079	LOAD Y	652 703	4.39-	95	4.39-	91	GLOB	UNIF	WV	0 2
2080	LOAD Z	652 703	4.39-	05	4.39-	04	GLOB	UNIF	WV	0 2
2081	LOAD X	652 703	8.77	09	4.39	08	GLOB	UNIF	WV	0 2
2082	LOAD Y	652 703	8.77-	91	4.39-	87	GLOB	UNIF	WV	0 2
2083	LOAD Z	652 703	8.77-	04	4.39-	04	GLOB	UNIF	WV	0 2
2084	LOAD X	652 703	13.16	08	4.39	08	GLOB	UNIF	WV	0 2
2085	LOAD Y	652 703	13.16-	87	4.39-	82	GLOB	UNIF	WV	0 2
2086	LOAD Z	652 703	13.16-	04	4.39-	04	GLOB	UNIF	WV	0 2
2087	LOAD X	652 703	17.55	08	4.39	08	GLOB	UNIF	WV	0 2
2088	LOAD Y	652 703	17.55-	82	4.39-	76	GLOB	UNIF	WV	0 2
2089	LOAD Z	652 703	17.55-	04	4.39-	04	GLOB	UNIF	WV	0 2
2090	LOAD X	655 706	0.00	22	4.39	20	GLOB	UNIF	WV	0 2
2091	LOAD Y	655 706	0.00-	52	4.39-	48	GLOB	UNIF	WV	0 2
2092	LOAD Z	655 706	0.00-	50	4.39-	46	GLOB	UNIF	WV	0 2
2093	LOAD X	655 706	4.39	20	4.39	19	GLOB	UNIF	WV	0 2
2094	LOAD Y	655 706	4.39-	48	4.39-	45	GLOB	UNIF	WV	0 2
2095	LOAD Z	655 706	4.39-	46	4.39-	43	GLOB	UNIF	WV	0 2
2096	LOAD X	655 706	8.77	19	4.39	17	GLOB	UNIF	WV	0 2
2097	LOAD Y	655 706	8.77-	45	4.39-	42	GLOB	UNIF	WV	0 2
2098	LOAD Z	655 706	8.77-	43	4.39-	40	GLOB	UNIF	WV	0 2
2099	LOAD X	655 706	13.16	17	4.39	16	GLOB	UNIF	WV	0 2
2100	LOAD Y	655 706	13.16-	42	4.39-	39	GLOB	UNIF	WV	0 2
2101	LOAD Z	655 706	13.16-	40	4.39-	38	GLOB	UNIF	WV	0 2
2102	LOAD X	655 706	17.55	16	4.39	14	GLOB	UNIF	WV	0 2
2103	LOAD Y	655 706	17.55-	39	4.39-	36	GLOB	UNIF	WV	0 2
2104	LOAD Z	655 706	17.55-	38	4.39-	35	GLOB	UNIF	WV	0 2
2105	LOAD X	654 701	0.00-	32	4.39-	31	GLOB	UNIF	WV	0 2
2106	LOAD Y	654 701	0.00-	48	4.39-	46	GLOB	UNIF	WV	0 2
2107	LOAD Z	654 701	0.00	30	4.39	29	GLOB	UNIF	WV	0 2

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   2108  LOAD X  634 701   4.39-   31   4.39-   30           GLOB UNIF    WV 0 2
   2109  LOAD Y  634 701   4.39-   46   4.39-   45           GLOB UNIF    WV 0 2
   2110  LOAD Z  634 701   4.39    29   4.39    28           GLOB UNIF    WV 0 2
   2111  LOAD X  634 701   6.77-   30   4.39-   29           GLOB UNIF    WV 0 2
   2112  LOAD Y  634 701   6.77-   45   4.39-   43           GLOB UNIF    WV 0 2
   2113  LOAD Z  634 701   6.77    28   4.39    27           GLOB UNIF    WV 0 2
   2114  LOAD X  634 701  13.16-   29   4.39-   27           GLOB UNIF    WV 0 2
   2115  LOAD Y  634 701  13.16-   43   4.39-   41           GLOB UNIF    WV 0 2
   2116  LOAD Z  634 701  13.16    27   4.39    26           GLOB UNIF    WV 0 2
   2117  LOAD X  634 701  17.55-   27   4.39-   26           GLOB UNIF    WV 0 2
   2118  LOAD Y  634 701  17.55-   41   4.39-   40           GLOB UNIF    WV 0 2
   2119  LOAD Z  634 701  17.55    26   4.39    25           GLOB UNIF    WV 0 2
   2120  LOAD Y  701 702   0.00-   52   3.75-   52           GLOB UNIF    WV 0 2
   2121  LOAD Z  701 702   0.00-   03   3.75-   03           GLOB UNIF    WV 0 2
   2122  LOAD Y  701 702   3.75-   52   3.75-   52           GLOB UNIF    WV 0 2
   2123  LOAD Z  701 702   3.75-   03   3.75-   03           GLOB UNIF    WV 0 2
   2124  LOAD Y  701 702   7.50-   52   3.75-   52           GLOB UNIF    WV 0 2
   2125  LOAD Z  701 702   7.50-   03   3.75-   03           GLOB UNIF    WV 0 2
   2126  LOAD Y  701 702  11.25-   52   3.75-   52           GLOB UNIF    WV 0 2
   2127  LOAD Z  701 702  11.25-   03   3.75-   03           GLOB UNIF    WV 0 2
   2128  LOAD Y  701 702  15.01-   52   3.75-   52           GLOB UNIF    WV 0 2
   2129  LOAD Z  701 702  15.01-   03   3.75-   03           GLOB UNIF    WV 0 2
   2130  LOAD Y  702 703   0.00-   52   3.75-   52           GLOB UNIF    WV 0 2
   2131  LOAD Z  702 703   0.00-   03   3.75-   03           GLOB UNIF    WV 0 2
   2132  LOAD Y  702 703   3.75-   52   3.75-   52           GLOB UNIF    WV 0 2
   2133  LOAD Z  702 703   3.75-   03   3.75-   03           GLOB UNIF    WV 0 2
   2134  LOAD Y  702 703   7.50-   52   3.75-   52           GLOB UNIF    WV 0 2
   2135  LOAD Z  702 703   7.50-   03   3.75-   03           GLOB UNIF    WV 0 2
   2136  LOAD Y  702 703  11.26-   52   3.75-   52           GLOB UNIF    WV 0 2
   2137  LOAD Z  702 703  11.26-   03   3.75-   03           GLOB UNIF    WV 0 2
   2138  LOAD Y  702 703  15.01-   52   3.75-   52           GLOB UNIF    WV 0 2
   2139  LOAD Z  702 703  15.01-   03   3.75-   03           GLOB UNIF    WV 0 2
   2140  LOAD X  703 705   0.00    22   3.75    22           GLOB UNIF    WV 0 2
   2141  LOAD Y  703 705   0.00-   13   3.75-   13           GLOB UNIF    WV 0 2
   2142  LOAD Z  703 705   0.00-   03   3.75-   03           GLOB UNIF    WV 0 2
   2143  LOAD X  703 705   3.75    22   3.75    22           GLOB UNIF    WV 0 2
   2144  LOAD Y  703 705   3.75-   13   3.75-   13           GLOB UNIF    WV 0 2
   2145  LOAD Z  703 705   3.75-   03   3.75-   03           GLOB UNIF    WV 0 2
   2146  LOAD X  703 705   7.50    22   3.75    22           GLOB UNIF    WV 0 2
   2147  LOAD Y  703 705   7.50-   13   3.75-   13           GLOB UNIF    WV 0 2
   2148  LOAD Z  703 705   7.50-   03   3.75-   03           GLOB UNIF    WV 0 2
   2149  LOAD X  703 705  11.25    22   3.75    22           GLOB UNIF    WV 0 2
   2150  LOAD Y  703 705  11.25-   13   3.75-   13           GLOB UNIF    WV 0 2
   2151  LOAD Z  703 705  11.25-   03   3.75-   03           GLOB UNIF    WV 0 2
   2152  LOAD X  703 705  15.00    22   3.75    22           GLOB UNIF    WV 0 2
   2153  LOAD Y  703 705  15.00-   13   3.75-   13           GLOB UNIF    WV 0 2
   2154  LOAD Z  703 705  15.00-   03   3.75-   03           GLOB UNIF    WV 0 2
   2155  LOAD X  705 706   0.00    22   3.75    22           GLOB UNIF    WV 0 2
   2156  LOAD Y  705 706   0.00-   13   3.75-   13           GLOB UNIF    WV 0 2
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0								
2157	LOAD Z	705 706	0.00-	03	3.75-	03	GLOB UNIF	WV 0 2
2158	LOAD X	705 706	3.75	22	3.75	21	GLOB UNIF	WV 0 2
2159	LOAD Y	705 706	3.75-	13	3.75-	12	GLOB UNIF	WV 0 2
2160	LOAD Z	705 706	3.75-	03	3.75-	03	GLOB UNIF	WV 0 2
2161	LOAD X	705 706	7.51	21	3.75	21	GLOB UNIF	WV 0 2
2162	LOAD Y	705 706	7.51-	12	3.75-	12	GLOB UNIF	WV 0 2
2163	LOAD Z	705 706	7.51-	03	3.75-	04	GLOB UNIF	WV 0 2
2164	LOAD X	705 706	11.26	21	3.75	20	GLOB UNIF	WV 0 2
2165	LOAD Y	705 706	11.26-	12	3.75-	12	GLOB UNIF	WV 0 2
2166	LOAD Z	705 706	11.26-	04	3.75-	04	GLOB UNIF	WV 0 2
2167	LOAD X	705 706	15.01	20	3.75	20	GLOB UNIF	WV 0 2
2168	LOAD Y	705 706	15.01-	12	3.75-	11	GLOB UNIF	WV 0 2
2169	LOAD Z	705 706	15.01-	04	3.75-	04	GLOB UNIF	WV 0 2
2170	LOAD X	701 704	0.00-	22	3.75-	22	GLOB UNIF	WV 0 2
2171	LOAD Y	701 704	0.00-	13	3.75-	13	GLOB UNIF	WV 0 2
2172	LOAD Z	701 704	0.00-	03	3.75-	03	GLOB UNIF	WV 0 2
2173	LOAD X	701 704	3.75-	22	3.75-	22	GLOB UNIF	WV 0 2
2174	LOAD Y	701 704	3.75-	13	3.75-	13	GLOB UNIF	WV 0 2
2175	LOAD Z	701 704	3.75-	03	3.75-	03	GLOB UNIF	WV 0 2
2176	LOAD X	701 704	7.51-	22	3.75-	22	GLOB UNIF	WV 0 2
2177	LOAD Y	701 704	7.50-	13	3.75-	13	GLOB UNIF	WV 0 2
2178	LOAD Z	701 704	7.50-	03	3.75-	03	GLOB UNIF	WV 0 2
2179	LOAD X	701 704	11.25-	22	3.75-	22	GLOB UNIF	WV 0 2
2180	LOAD Y	701 704	11.25-	13	3.75-	13	GLOB UNIF	WV 0 2
2181	LOAD Z	701 704	11.25-	03	3.75-	03	GLOB UNIF	WV 0 2
2182	LOAD X	701 704	15.00-	22	3.75-	22	GLOB UNIF	WV 0 2
2183	LOAD Y	701 704	15.00-	13	3.75-	13	GLOB UNIF	WV 0 2
2184	LOAD Z	701 704	15.00-	03	3.75-	03	GLOB UNIF	WV 0 2
2185	LOAD X	704 706	0.00-	22	3.75-	22	GLOB UNIF	WV 0 2
2186	LOAD Y	704 706	0.00-	13	3.75-	13	GLOB UNIF	WV 0 2
2187	LOAD Z	704 706	0.00-	03	3.75-	03	GLOB UNIF	WV 0 2
2188	LOAD X	704 706	3.75-	22	3.75-	21	GLOB UNIF	WV 0 2
2189	LOAD Y	704 706	3.75-	13	3.75-	12	GLOB UNIF	WV 0 2
2190	LOAD Z	704 706	3.75-	03	3.75-	03	GLOB UNIF	WV 0 2
2191	LOAD X	704 706	7.51-	21	3.75-	21	GLOB UNIF	WV 0 2
2192	LOAD Y	704 706	7.51-	12	3.75-	12	GLOB UNIF	WV 0 2
2193	LOAD Z	704 706	7.51-	03	3.75-	04	GLOB UNIF	WV 0 2
2194	LOAD X	704 706	11.26-	21	3.75-	20	GLOB UNIF	WV 0 2
2195	LOAD Y	704 706	11.26-	12	3.75-	12	GLOB UNIF	WV 0 2
2196	LOAD Z	704 706	11.26-	04	3.75-	04	GLOB UNIF	WV 0 2
2197	LOAD X	704 706	15.01-	20	3.75-	20	GLOB UNIF	WV 0 2
2198	LOAD Y	704 706	15.01-	12	3.75-	11	GLOB UNIF	WV 0 2
2199	LOAD Z	704 706	15.01-	04	3.75-	04	GLOB UNIF	WV 0 2
2200	LOAD X	702 704	0.00	19	3.75	19	GLOB UNIF	WV 0 2
2201	LOAD Y	702 704	0.00-	11	3.75-	11	GLOB UNIF	WV 0 2
2202	LOAD Z	702 704	0.00-	02	3.75-	02	GLOB UNIF	WV 0 2
2203	LOAD X	702 704	3.75	19	3.75	19	GLOB UNIF	WV 0 2
2204	LOAD Y	702 704	3.75-	11	3.75-	11	GLOB UNIF	WV 0 2
2205	LOAD Z	702 704	3.75-	02	3.75-	02	GLOB UNIF	WV 0 2

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2206   LOAD X  702 704   7.50   19  3.75   19              GLOB UNIF    WV 0 2
  2207   LOAD Y  702 704   7.50-  11  3.75-  11              GLOB UNIF    WV 0 2
  2208   LOAD Z  702 704   7.50-  02  3.75-  02              GLOB UNIF    WV 0 2
  2209   LOAD X  702 704  11.25   19  3.75   19              GLOB UNIF    WV 0 2
  2210   LOAD Y  702 704  11.25-  11  3.75-  11              GLOB UNIF    WV 0 2
  2211   LOAD Z  702 704  11.25-  02  3.75-  02              GLOB UNIF    WV 0 2
  2212   LOAD X  702 704  15.00   19  3.75   19              GLOB UNIF    WV 0 2
  2213   LOAD Y  702 704  15.00-  11  3.75-  11              GLOB UNIF    WV 0 2
  2214   LOAD Z  702 704  15.00-  02  3.75-  02              GLOB UNIF    WV 0 2
  2215   LOAD X  702 705   0.00-  19  3.75-  19              GLOB UNIF    WV 0 2
  2216   LOAD Y  702 705   0.00-  11  3.75-  11              GLOB UNIF    WV 0 2
  2217   LOAD Z  702 705   0.00-  02  3.75-  02              GLOB UNIF    WV 0 2
  2218   LOAD X  702 705   3.75-  19  3.75-  19              GLOB UNIF    WV 0 2
  2219   LOAD Y  702 705   3.75-  11  3.75-  11              GLOB UNIF    WV 0 2
  2220   LOAD Z  702 705   3.75-  02  3.75-  02              GLOB UNIF    WV 0 2
  2221   LOAD X  702 705   7.50-  19  3.75-  19              GLOB UNIF    WV 0 2
  2222   LOAD Y  702 705   7.50-  11  3.75-  11              GLOB UNIF    WV 0 2
  2223   LOAD Z  702 705   7.50-  02  3.75-  02              GLOB UNIF    WV 0 2
  2224   LOAD X  702 705  11.25-  19  3.75-  19              GLOB UNIF    WV 0 2
  2225   LOAD Y  702 705  11.25-  11  3.75-  11              GLOB UNIF    WV 0 2
  2226   LOAD Z  702 705  11.25-  02  3.75-  02              GLOB UNIF    WV 0 2
  2227   LOAD X  702 705  15.00-  19  3.75-  19              GLOB UNIF    WV 0 2
  2228   LOAD Y  702 705  15.00-  11  3.75-  11              GLOB UNIF    WV 0 2
  2229   LOAD Z  702 705  15.00-  02  3.75-  02              GLOB UNIF    WV 0 2
  2230   LOAD Y  704 705   0.00-  44  3.75-  44              GLOB UNIF    WV 0 2
  2231   LOAD Z  704 705   0.00-  02  3.75-  02              GLOB UNIF    WV 0 2
  2232   LOAD Y  704 705   3.75-  44  3.75-  44              GLOB UNIF    WV 0 2
  2233   LOAD Z  704 705   3.75-  02  3.75-  02              GLOB UNIF    WV 0 2
  2234   LOAD Y  704 705   7.50-  44  3.75-  44              GLOB UNIF    WV 0 2
  2235   LOAD Z  704 705   7.50-  02  3.75-  02              GLOB UNIF    WV 0 2
  2236   LOAD Y  704 705  11.25-  44  3.75-  44              GLOB UNIF    WV 0 2
  2237   LOAD Z  704 705  11.26-  02  3.75-  02              GLOB UNIF    WV 0 2
  2238   LOAD Y  704 705  15.01-  44  3.75-  44              GLOB UNIF    WV 0 2
  2239   LOAD Z  704 705  15.01-  02  3.75-  02              GLOB UNIF    WV 0 2
  2240   LOAD X  701 806   0.00-  17 10.69-  15              GLOB UNIF    WV 0 2
  2241   LOAD Y  701 806   0.00-  44 10.69-  39              GLOB UNIF    WV 0 2
  2242   LOAD Z  701 806   0.00-  40 10.69-  36              GLOB UNIF    WV 0 2
  2243   LOAD X  701 806  10.69-  15 10.69-  13              GLOB UNIF    WV 0 2
  2244   LOAD Y  701 806  10.69-  39 10.69-  34              GLOB UNIF    WV 0 2
  2245   LOAD Z  701 806  10.69-  36 10.69-  31              GLOB UNIF    WV 0 2
  2246   LOAD X  701 806  21.78-  13 10.69-  11              GLOB UNIF    WV 0 2
  2247   LOAD Y  701 806  21.78-  34 10.69-  30              GLOB UNIF    WV 0 2
  2248   LOAD Z  701 806  21.78-  31 10.69-  27              GLOB UNIF    WV 0 2
  2249   LOAD X  701 806  32.67-  11 10.69-  10              GLOB UNIF    WV 0 2
  2250   LOAD Y  701 806  32.67-  30 10.69-  25              GLOB UNIF    WV 0 2
  2251   LOAD Z  701 806  32.67-  27 10.69-  23              GLOB UNIF    WV 0 2
  2252   LOAD X  701 806  43.56-  10 10.69-  08              GLOB UNIF    WV 0 2
  2253   LOAD Y  701 806  43.56-  25 10.69-  21              GLOB UNIF    WV 0 2
  2254   LOAD Z  701 806  43.56-  23 10.69-  19              GLOB UNIF    WV 0 2
```

STRAN 1 DATA

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2255  LOAD X  705 801    0.00-   08  10.89-   07              GLOB UNIF    WV 0 2
  2256  LOAD Y  705 801    0.00-   78  10.89-   69              GLOB UNIF    WV 0 2
  2257  LOAD Z  705 801    0.00-   05  10.89-   05              GLOB UNIF    WV 0 2
  2258  LOAD X  705 801   10.89-   07  10.89-   06              GLOB UNIF    WV 0 2
  2259  LOAD Y  705 801   10.89-   69  10.89-   65              GLOB UNIF    WV 0 2
  2260  LOAD Z  705 801   10.89-   05  10.89-   02              GLOB UNIF    WV 0 2
  2261  LOAD X  705 801   21.78-   06  10.89-   05              GLOB UNIF    WV 0 2
  2262  LOAD Y  705 801   21.78-   65  10.89-   57              GLOB UNIF    WV 0 2
  2263  LOAD Z  705 801   21.78-   02  10.89-   02              GLOB UNIF    WV 0 2
  2264  LOAD X  705 801   32.66-   05  10.89-   05              GLOB UNIF    WV 0 2
  2265  LOAD Y  705 801   32.66-   57  10.89-   51              GLOB UNIF    WV 0 2
  2266  LOAD Z  705 801   32.66-   02  10.89-   1               GLOB UNIF    WV 0 2
  2267  LOAD X  705 801   43.55-   05  10.89-   04              GLOB UNIF    WV 0 2
  2268  LOAD Y  705 801   43.55-   51  10.89-   48              GLOB UNIF    WV 0 2
  2269  LOAD Z  705 801   43.55-   1   10.89-   1               GLOB UNIF    WV 0 2
  2270  LOAD X  706 803    0.00    21  10.89    20              GLOB UNIF    WV 0 2
  2271  LOAD Y  706 803    0.00-   33  10.89-   32              GLOB UNIF    WV 0 2
  2272  LOAD Z  706 803    0.00    20  10.89    20              GLOB UNIF    WV 0 2
  2273  LOAD X  706 803   10.89    20  10.89    19              GLOB UNIF    WV 0 2
  2274  LOAD Y  706 803   10.89-   32  10.89-   31              GLOB UNIF    WV 0 2
  2275  LOAD Z  706 803   10.89    20  10.89    19              GLOB UNIF    WV 0 2
  2276  LOAD X  706 803   21.77    19  10.89    18              GLOB UNIF    WV 0 2
  2277  LOAD Y  706 803   21.77-   31  10.89-   30              GLOB UNIF    WV 0 2
  2278  LOAD Z  706 803   21.77    19  10.89    18              GLOB UNIF    WV 0 2
  2279  LOAD X  706 803   32.66    18  10.89    16              GLOB UNIF    WV 0 2
  2280  LOAD Y  706 803   32.66-   30  10.89-   27              GLOB UNIF    WV 0 2
  2281  LOAD Z  706 803   32.66    16  10.89    17              GLOB UNIF    WV 0 2
  2282  LOAD X  706 803   43.55    16  10.89    15              GLOB UNIF    WV 0 2
  2283  LOAD Y  706 803   43.55-   27  10.89-   26              GLOB UNIF    WV 0 2
  2284  LOAD Z  706 803   43.55    17  10.89    17              GLOB UNIF    WV 0 2
  2285  LOAD Y  801 802    0.00-   39   4.73-   39              GLOB UNIF    WV 0 2
  2286  LOAD Z  801 802    0.00-   02   4.73-   02              GLOB UNIF    WV 0 2
  2287  LOAD Y  801 802    4.73-   39   4.73-   39              GLOB UNIF    WV 0 2
  2288  LOAD Z  801 802    4.73-   02   4.73-   02              GLOB UNIF    WV 0 2
  2289  LOAD Y  801 802    9.46-   39   4.73-   39              GLOB UNIF    WV 0 2
  2290  LOAD Z  801 802    9.46-   02   4.73-   02              GLOB UNIF    WV 0 2
  2291  LOAD Y  801 802   14.20-   39   4.73-   39              GLOB UNIF    WV 0 2
  2292  LOAD Z  801 802   14.20-   02   4.73-   02              GLOB UNIF    WV 0 2
  2293  LOAD Y  801 802   18.93-   39   4.73-   39              GLOB UNIF    WV 0 2
  2294  LOAD Z  801 802   18.93-   02   4.73-   02              GLOB UNIF    WV 0 2
  2295  LOAD Y  802 803    0.00-   39   4.73-   39              GLOB UNIF    WV 0 2
  2296  LOAD Z  802 803    0.00-   02   4.73-   02              GLOB UNIF    WV 0 2
  2297  LOAD Y  802 803    4.73-   39   4.73-   39              GLOB UNIF    WV 0 2
  2298  LOAD Z  802 803    4.73-   02   4.73-   02              GLOB UNIF    WV 0 2
  2299  LOAD Y  802 803    9.46-   39   4.73-   39              GLOB UNIF    WV 0 2
  2300  LOAD Z  802 803    9.46-   02   4.73-   02              GLOB UNIF    WV 0 2
  2301  LOAD Y  802 803   14.20-   39   4.73-   39              GLOB UNIF    WV 0 2
  2302  LOAD Z  802 803   14.20-   02   4.73-   02              GLOB UNIF    WV 0 2
  2303  LOAD Y  802 803   18.93-   39   4.73-   39              GLOB UNIF    WV 0 2
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2304	LOAD	Z	802	803	18.93-	02	4.73-	02	GLOB	UNIF	WV 0	2
2305	LOAD	X	803	805	0.00	17	4.73	17	GLOB	UNIF	WV 0	2
2306	LOAD	Y	803	805	0.00-	10	4.73-	10	GLOB	UNIF	WV 0	2
2307	LOAD	Z	803	805	0.00-	02	4.73-	02	GLOB	UNIF	WV 0	2
2308	LOAD	X	803	805	4.73	17	4.73	17	GLOB	UNIF	WV 0	2
2309	LOAD	Y	803	805	4.73-	10	4.73-	10	GLOB	UNIF	WV 0	2
2310	LOAD	Z	803	805	4.73-	02	4.73-	02	GLOB	UNIF	WV 0	2
2311	LOAD	X	803	805	9.46	17	4.73	17	GLOB	UNIF	WV 0	2
2312	LOAD	Y	803	805	9.46-	10	4.73-	10	GLOB	UNIF	WV 0	2
2313	LOAD	Z	803	805	9.46-	02	4.73-	03	GLOB	UNIF	WV 0	2
2314	LOAD	X	803	805	14.20	17	4.73	16	GLOB	UNIF	WV 0	2
2315	LOAD	Y	803	805	14.20-	10	4.73-	09	GLOB	UNIF	WV 0	2
2316	LOAD	Z	803	805	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	2
2317	LOAD	X	803	805	18.93	16	4.73	16	GLOB	UNIF	WV 0	2
2318	LOAD	Y	803	805	18.93-	09	4.73-	09	GLOB	UNIF	WV 0	2
2319	LOAD	Z	803	805	18.93-	03	4.73-	03	GLOB	UNIF	WV 0	2
2320	LOAD	X	805	806	0.00	16	4.73	16	GLOB	UNIF	WV 0	2
2321	LOAD	Y	805	806	0.00-	09	4.73-	09	GLOB	UNIF	WV 0	2
2322	LOAD	Z	805	806	0.00-	03	4.73-	03	GLOB	UNIF	WV 0	2
2323	LOAD	X	805	806	4.73	16	4.73	15	GLOB	UNIF	WV 0	2
2324	LOAD	Y	805	806	4.73-	09	4.73-	09	GLOB	UNIF	WV 0	2
2325	LOAD	Z	805	806	4.73-	03	4.73-	03	GLOB	UNIF	WV 0	2
2326	LOAD	X	805	806	9.47	15	4.73	15	GLOB	UNIF	WV 0	2
2327	LOAD	Y	805	806	9.47-	09	4.73-	09	GLOB	UNIF	WV 0	2
2328	LOAD	Z	805	806	9.47-	03	4.73-	03	GLOB	UNIF	WV 0	2
2329	LOAD	X	805	806	14.20	15	4.73	15	GLOB	UNIF	WV 0	2
2330	LOAD	Y	805	806	14.20-	09	4.73-	08	GLOB	UNIF	WV 0	2
2331	LOAD	Z	805	806	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	2
2332	LOAD	X	805	806	18.93	15	4.73	14	GLOB	UNIF	WV 0	2
2333	LOAD	Y	805	806	18.93-	08	4.73-	08	GLOB	UNIF	WV 0	2
2334	LOAD	Z	805	806	18.93-	03	4.73-	03	GLOB	UNIF	WV 0	2
2335	LOAD	X	801	804	0.00-	17	4.73-	17	GLOB	UNIF	WV 0	2
2336	LOAD	Y	801	804	0.00-	10	4.73-	10	GLOB	UNIF	WV 0	2
2337	LOAD	Z	801	804	0.00-	02	4.73-	02	GLOB	UNIF	WV 0	2
2338	LOAD	X	801	804	4.73-	17	4.73-	17	GLOB	UNIF	WV 0	2
2339	LOAD	Y	801	804	4.73-	10	4.73-	10	GLOB	UNIF	WV 0	2
2340	LOAD	Z	801	804	4.73-	02	4.73-	02	GLOB	UNIF	WV 0	2
2341	LOAD	X	801	804	9.46-	17	4.73-	17	GLOB	UNIF	WV 0	2
2342	LOAD	Y	801	804	9.46-	10	4.73-	10	GLOB	UNIF	WV 0	2
2343	LOAD	Z	801	804	9.46-	02	4.73-	03	GLOB	UNIF	WV 0	2
2344	LOAD	X	801	804	14.20-	17	4.73-	16	GLOB	UNIF	WV 0	2
2345	LOAD	Y	801	804	14.20-	10	4.73-	09	GLOB	UNIF	WV 0	2
2346	LOAD	Z	801	804	14.20-	03	4.73-	03	GLOB	UNIF	WV 0	2
2347	LOAD	X	801	804	18.93-	16	4.73-	16	GLOB	UNIF	WV 0	2
2348	LOAD	Y	801	804	18.93-	09	4.73-	09	GLOB	UNIF	WV 0	2
2349	LOAD	Z	801	804	18.93-	03	4.73-	03	GLOB	UNIF	WV 0	2
2350	LOAD	X	804	806	0.00-	16	4.73-	16	GLOB	UNIF	WV 0	2
2351	LOAD	Y	804	806	0.00-	09	4.73-	09	GLOB	UNIF	WV 0	2
2352	LOAD	Z	804	806	0.00-	03	4.73-	03	GLOB	UNIF	WV 0	2

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.											
2353	LOAD	X	804	806	4.73-	16	4.73-	15	GLOB UNIF	WV	0 2
2354	LOAD	Y	804	806	4.73-	09	4.73-	09	GLOB UNIF	WV	0 2
2355	LOAD	Z	804	806	4.73-	03	4.73-	03	GLOB UNIF	WV	0 2
2356	LOAD	X	804	806	9.47-	15	4.73-	15	GLOB UNIF	WV	0 2
2357	LOAD	Y	804	806	9.47-	09	4.73-	09	GLOB UNIF	WV	0 2
2358	LOAD	Z	804	806	9.47-	03	4.73-	03	GLOB UNIF	WV	0 2
2359	LOAD	X	804	806	14.20-	15	4.73-	15	GLOB UNIF	WV	0 2
2360	LOAD	Y	804	806	14.20-	09	4.73-	08	GLOB UNIF	WV	0 2
2361	LOAD	Z	804	806	14.20-	03	4.73-	03	GLOB UNIF	WV	0 2
2362	LOAD	X	804	805	10.93-	15	4.73-	14	GLOB UNIF	WV	0 2
2363	LOAD	Y	804	805	10.93-	08	4.73-	08	GLOB UNIF	WV	0 2
2364	LOAD	Z	804	806	10.93-	03	4.73-	03	GLOB UNIF	WV	0 2
2365	LOAD	X	802	804	0.00	12	4.73	12	GLOB UNIF	WV	0 2
2366	LOAD	Y	802	804	0.00-	07	4.73-	07	GLOB UNIF	WV	0 2
2367	LOAD	Z	802	804	0.00-	1	4.73-	1	GLOB UNIF	WV	0 2
2368	LOAD	X	802	804	4.73	12	4.73	12	GLOB UNIF	WV	0 2
2369	LOAD	Y	802	804	4.73-	07	4.73-	07	GLOB UNIF	WV	0 2
2370	LOAD	Z	802	804	4.73-	1	4.73-	1	GLOB UNIF	WV	0 2
2371	LOAD	X	802	804	9.46	12	4.73	12	GLOB UNIF	WV	0 2
2372	LOAD	Y	802	804	9.46-	07	4.73-	07	GLOB UNIF	WV	0 2
2373	LOAD	Z	802	804	9.46-	1	4.73-	1	GLOB UNIF	WV	0 2
2374	LOAD	X	802	804	14.20	12	4.73	12	GLOB UNIF	WV	0 2
2375	LOAD	Y	802	804	14.20-	07	4.73-	07	GLOB UNIF	WV	0 2
2376	LOAD	Z	802	804	14.20-	1	4.73-	1	GLOB UNIF	WV	0 2
2377	LOAD	X	802	804	10.93	12	4.73	12	GLOB UNIF	WV	0 2
2378	LOAD	Y	802	804	10.93-	07	4.73-	07	GLOB UNIF	WV	0 2
2379	LOAD	Z	802	804	10.93-	1	4.73-	1	GLOB UNIF	WV	0 2
2380	LOAD	X	802	805	0.00-	12	4.73-	12	GLOB UNIF	WV	0 2
2381	LOAD	Y	802	805	0.00-	07	4.73-	07	GLOB UNIF	WV	0 2
2382	LOAD	Z	802	805	0.00-	1	4.73-	1	GLOB UNIF	WV	0 2
2383	LOAD	X	802	805	4.73-	12	4.73-	12	GLOB UNIF	WV	0 2
2384	LOAD	Y	802	805	4.73-	07	4.73-	07	GLOB UNIF	WV	0 2
2385	LOAD	Z	802	805	4.73-	1	4.73-	1	GLOB UNIF	WV	0 2
2386	LOAD	X	802	805	9.46-	12	4.73-	12	GLOB UNIF	WV	0 2
2387	LOAD	Y	802	805	9.46-	07	4.73-	07	GLOB UNIF	WV	0 2
2388	LOAD	Z	802	805	9.46-	1	4.73-	1	GLOB UNIF	WV	0 2
2389	LOAD	X	802	805	14.20-	12	4.73-	12	GLOB UNIF	WV	0 2
2390	LOAD	Y	802	805	14.20-	07	4.73-	07	GLOB UNIF	WV	0 2
2391	LOAD	Z	802	805	14.20-	1	4.73-	1	GLOB UNIF	WV	0 2
2392	LOAD	X	802	805	10.93-	12	4.73-	12	GLOB UNIF	WV	0 2
2393	LOAD	Y	802	805	10.93-	07	4.73-	07	GLOB UNIF	WV	0 2
2394	LOAD	Z	802	805	10.93-	1	4.73-	1	GLOB UNIF	WV	0 2
2395	LOAD	Y	804	805	0.00-	27	4.73-	27	GLOB UNIF	WV	0 2
2396	LOAD	Z	804	805	0.00-	1	4.73-	1	GLOB UNIF	WV	0 2
2397	LOAD	Y	804	805	4.73-	27	4.73-	27	GLOB UNIF	WV	0 2
2398	LOAD	Z	804	805	4.73-	1	4.73-	1	GLOB UNIF	WV	0 2
2399	LOAD	Y	804	805	9.46-	27	4.73-	27	GLOB UNIF	WV	0 2
2400	LOAD	Z	804	805	9.46-	1	4.73-	1	GLOB UNIF	WV	0 2
2401	LOAD	Y	804	805	14.20-	27	4.73-	27	GLOB UNIF	WV	0 2

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSUN

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2402  LOAD Z  804 805  14.20-    1   4.73-    1               GLOB UNIF     WV 0 2
  2403  LOAD Y  804 805  16.93-   27   4.73-   27               GLOB UNIF     WV 0 2
  2404  LOAD Z  804 805  16.93-    1   4.73-    1               GLOB UNIF     WV 0 2
  2405  LOAD X  8011002   0.00    03   4.15    02               GLOB UNIF     WV 0 2
  2406  LOAD Y  8011002   0.00-   38   4.15-   37               GLOB UNIF     WV 0 2
  2407  LOAD Z  8011002   0.00     1   4.15     1               GLOB UNIF     WV 0 2
  2408  LOAD X  8011002   4.15    02   4.15    02               GLOB UNIF     WV 0 2
  2409  LOAD Y  8011002   4.15-   37   4.15-   36               GLOB UNIF     WV 0 2
  2410  LOAD Z  8011002   4.15     1   4.15     1               GLOB UNIF     WV 0 2
  2411  LOAD X  8011002   8.30    02   4.15    02               GLOB UNIF     WV 0 2
  2412  LOAD Y  8011002   8.30-   36   4.15-   34               GLOB UNIF     WV 0 2
  2413  LOAD Z  8011002   8.30     1   4.15     1               GLOB UNIF     WV 0 2
  2414  LOAD X  8011002  12.46    02   4.15    02               GLOB UNIF     WV 0 2
  2415  LOAD Y  8011002  12.46-   34   4.15-   33               GLOB UNIF     WV 0 2
  2416  LOAD Z  8011002  12.46     1   4.15     1               GLOB UNIF     WV 0 2
  2417  LOAD X  8011002  16.61    02   4.15    02               GLOB UNIF     WV 0 2
  2418  LOAD Y  8011002  16.61-   33   4.15-   32               GLOB UNIF     WV 0 2
  2419  LOAD Z  8011002  16.61     1   4.15     1               GLOB UNIF     WV 0 2
  2420  LOAD X  8011002  20.76    02   4.15    02               GLOB UNIF     WV 0 2
  2421  LOAD Y  8011002  20.76-   32   4.15-   31               GLOB UNIF     WV 0 2
  2422  LOAD Z  8011002  20.76     1   4.15     1               GLOB UNIF     WV 0 2
  2423  LOAD X  8011002  24.91    02   4.15     1               GLOB UNIF     WV 0 2
  2424  LOAD Y  8011002  24.91-   31   4.15-   30               GLOB UNIF     WV 0 2
  2425  LOAD Z  8011002  24.91     1   4.15     1               GLOB UNIF     WV 0 2
  2426  LOAD X  8011002  29.06     1   3.46                     GLOB UNIF     WV 0 2
  2427  LOAD Y  8011002  29.06-   30   4.15-   22               GLOB UNIF     WV 0 2
  2428  LOAD Z  8011002  29.06     1   4.15    02               GLOB UNIF     WV 0 2
  2429  LOAD Y  8011002  33.21-   22   4.15-   13               GLOB UNIF     WV 0 2
  2430  LOAD Z  8011002  33.21    02   4.15     1               GLOB UNIF     WV 0 2
  2431  LOAD Y  8011002  37.37-   13   4.15-   03               GLOB UNIF     WV 0 2
  2432  LOAD Z  8011002  37.37     1   4.15                     GLOB UNIF     WV 0 2
  2433  LOAD X  8031002   0.00-   03   4.15-   02               GLOB UNIF     WV 0 2
  2434  LOAD Y  8031002   0.00-   36   4.15-   37               GLOB UNIF     WV 0 2
  2435  LOAD Z  8031002   0.00     1   4.15     1               GLOB UNIF     WV 0 2
  2436  LOAD X  8031002   4.15-   02   4.15-   02               GLOB UNIF     WV 0 2
  2437  LOAD Y  8031002   4.15-   37   4.15-   36               GLOB UNIF     WV 0 2
  2438  LOAD Z  8031002   4.15     1   4.15     1               GLOB UNIF     WV 0 2
  2439  LOAD X  8031002   8.30-   02   4.15-   02               GLOB UNIF     WV 0 2
  2440  LOAD Y  8031002   8.30-   36   4.15-   34               GLOB UNIF     WV 0 2
  2441  LOAD Z  8031002   8.30     1   4.15     1               GLOB UNIF     WV 0 2
  2442  LOAD X  8031002  12.46-   02   4.15-   02               GLOB UNIF     WV 0 2
  2443  LOAD Y  8031002  12.46-   34   4.15-   33               GLOB UNIF     WV 0 2
  2444  LOAD Z  8031002  12.46     1   4.15     1               GLOB UNIF     WV 0 2
  2445  LOAD X  8031002  16.61-   02   4.15-   02               GLOB UNIF     WV 0 2
  2446  LOAD Y  8031002  16.61-   33   4.15-   32               GLOB UNIF     WV 0 2
  2447  LOAD Z  8031002  16.61     1   4.15     1               GLOB UNIF     WV 0 2
  2448  LOAD X  8031002  20.76-   02   4.15-   02               GLOB UNIF     WV 0 2
  2449  LOAD Y  8031002  20.76-   32   4.15-   31               GLOB UNIF     WV 0 2
  2450  LOAD Z  8031002  20.76     1   4.15     1               GLOB UNIF     WV 0 2
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2451  LOAD X  8031002   24.91-   02   4.15-   1            GLOB UNIF    WV 0 2
  2452  LOAD Y  8031002   24.91-   31   4.15-   30           GLOB UNIF    WV 0 2
  2453  LOAD Z  8031002   24.91    1    4.15    1            GLOB UNIF    WV 0 2
  2454  LOAD X  8031002   29.06-   1    3.46                 GLOB UNIF    WV 0 2
  2455  LOAD Y  8031002   29.06-   30   4.15-   22           GLOB UNIF    WV 0 2
  2456  LOAD Z  8031002   29.06    1    4.15    02           GLOB UNIF    WV 0 2
  2457  LOAD Y  8031002   33.21-   22   4.15-   13           GLOB UNIF    WV 0 2
  2458  LOAD Z  8031002   33.21    02   4.15    1            GLOB UNIF    WV 0 2
  2459  LOAD Y  8031002   37.37-   13   4.15-   03           GLOB UNIF    WV 0 2
  2460  LOAD Z  8031002   37.37    1    4.15                 GLOB UNIF    WV 0 2
  2461  LOAD X  8031005    0.00    04   4.15    04           GLOB UNIF    WV 0 2
  2462  LOAD Y  8031005    0.00-   29   4.15-   28           GLOB UNIF    WV 0 2
  2463  LOAD Z  8031005    0.00-   17   4.15-   17           GLOB UNIF    WV 0 2
  2464  LOAD X  8031005    4.15    04   4.15    04           GLOB UNIF    WV 0 2
  2465  LOAD Y  8031005    4.15-   28   4.15-   27           GLOB UNIF    WV 0 2
  2466  LOAD Z  8031005    4.15-   17   4.15-   16           GLOB UNIF    WV 0 2
  2467  LOAD X  8031005    8.30    04   4.15    04           GLOB UNIF    WV 0 2
  2468  LOAD Y  8031005    8.30-   27   4.15-   26           GLOB UNIF    WV 0 2
  2469  LOAD Z  8031005    8.30-   16   4.15-   15           GLOB UNIF    WV 0 2
  2470  LOAD X  8031005   12.46    04   4.15    04           GLOB UNIF    WV 0 2
  2471  LOAD Y  8031005   12.46-   26   4.15-   25           GLOB UNIF    WV 0 2
  2472  LOAD Z  8031005   12.46-   15   4.15-   15           GLOB UNIF    WV 0 2
  2473  LOAD X  8031005   16.61    04   4.15    04           GLOB UNIF    WV 0 2
  2474  LOAD Y  8031005   16.61-   25   4.15-   24           GLOB UNIF    WV 0 2
  2475  LOAD Z  8031005   16.61-   15   4.15-   14           GLOB UNIF    WV 0 2
  2476  LOAD X  8031005   20.76    04   4.15    03           GLOB UNIF    WV 0 2
  2477  LOAD Y  8031005   20.76-   24   4.15-   23           GLOB UNIF    WV 0 2
  2478  LOAD Z  8031005   20.76-   14   4.15-   14           GLOB UNIF    WV 0 2
  2479  LOAD X  8031005   24.91    03   4.15    03           GLOB UNIF    WV 0 2
  2480  LOAD Y  8031005   24.91-   23   4.15-   22           GLOB UNIF    WV 0 2
  2481  LOAD Z  8031005   24.91-   14   4.15-   13           GLOB UNIF    WV 0 2
  2482  LOAD X  8031005   29.06    03   4.15    02           GLOB UNIF    WV 0 2
  2483  LOAD Y  8031005   29.06-   22   4.15-   16           GLOB UNIF    WV 0 2
  2484  LOAD Z  8031005   29.06-   13   4.15-   10           GLOB UNIF    WV 0 2
  2485  LOAD X  8031005   33.22    02   4.15    1            GLOB UNIF    WV 0 2
  2486  LOAD Y  8031005   33.22-   16   4.15-   09           GLOB UNIF    WV 0 2
  2487  LOAD Z  8031005   33.22-   10   4.15-   06           GLOB UNIF    WV 0 2
  2488  LOAD X  8031005   37.37    1    4.15                 GLOB UNIF    WV 0 2
  2489  LOAD Y  8031005   37.37-   09   4.15-   1            GLOB UNIF    WV 0 2
  2490  LOAD Z  8031005   37.37-   06   4.15-   1            GLOB UNIF    WV 0 2
  2491  LOAD X  8061005    0.00    06   4.15    06           GLOB UNIF    WV 0 2
  2492  LOAD Y  8061005    0.00-   25   4.15-   24           GLOB UNIF    WV 0 2
  2493  LOAD Z  8061005    0.00    11   4.15    11           GLOB UNIF    WV 0 2
  2494  LOAD X  8061005    4.15    06   4.15    05           GLOB UNIF    WV 0 2
  2495  LOAD Y  8061005    4.15-   24   4.15-   24           GLOB UNIF    WV 0 2
  2496  LOAD Z  8061005    4.15    11   4.15    11           GLOB UNIF    WV 0 2
  2497  LOAD X  8061005    6.30    05   4.15    05           GLOB UNIF    WV 0 2
  2498  LOAD Y  8061005    6.30-   24   4.15-   23           GLOB UNIF    WV 0 2
  2499  LOAD Z  8061005    8.30    11   4.15    11           GLOB UNIF    WV 0 2
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S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
2500	LOAD	X	8061005	12.46	05	4.15	05	GLOB	UNIF	WV	0	2
2501	LOAD	Y	8061005	12.46-	23	4.15-	23	GLOB	UNIF	WV	0	2
2502	LOAD	Z	8061005	12.46	11	4.15	11	GLOB	UNIF	WV	0	2
2503	LOAD	X	8061005	16.61	05	4.15	05	GLOB	UNIF	WV	0	2
2504	LOAD	Y	8061005	16.61-	23	4.15-	23	GLOB	UNIF	WV	0	2
2505	LOAD	Z	8061005	16.61	11	4.15	11	GLOB	UNIF	WV	0	2
2506	LOAD	X	8061005	20.76	05	4.15	05	GLOB	UNIF	WV	0	2
2507	LOAD	Y	8061005	20.76-	23	4.15-	23	GLOB	UNIF	WV	0	2
2508	LOAD	Z	8061005	20.76	11	4.15	11	GLOB	UNIF	WV	0	2
2509	LOAD	X	8061005	24.91	05	4.15	05	GLOB	UNIF	WV	0	2
2510	LOAD	Y	8061005	24.91-	23	4.15-	22	GLOB	UNIF	WV	0	2
2511	LOAD	Z	8061005	24.91	11	4.15	10	GLOB	UNIF	WV	0	2
2512	LOAD	X	8061005	29.07	05	4.15	05	GLOB	UNIF	WV	0	2
2513	LOAD	Y	8061005	29.07-	22	4.15-	13	GLOB	UNIF	WV	0	2
2514	LOAD	Z	8061005	29.07	10	4.15	05	GLOB	UNIF	WV	0	2
2515	LOAD	X	8061005	33.22	05	4.15	03	GLOB	UNIF	WV	0	2
2516	LOAD	Y	8061005	33.22-	13	4.15-	07	GLOB	UNIF	WV	0	2
2517	LOAD	Z	8061005	33.22	05	4.15	03	GLOB	UNIF	WV	0	2
2518	LOAD	X	8061005	37.37	03	4.15		GLOB	UNIF	WV	0	2
2519	LOAD	Y	8061005	37.37-	07	4.15-	1	GLOB	UNIF	WV	0	2
2520	LOAD	Z	8061005	37.37	03	4.15	1	GLOB	UNIF	WV	0	2
2521	LOAD	X	8011004	0.00-	04	4.15-	04	GLOB	UNIF	WV	0	2
2522	LOAD	Y	8011004	0.00-	29	4.15-	28	GLOB	UNIF	WV	0	2
2523	LOAD	Z	8011004	0.00-	17	4.15-	17	GLOB	UNIF	WV	0	2
2524	LOAD	X	8011004	4.15-	04	4.15-	04	GLOB	UNIF	WV	0	2
2525	LOAD	Y	8011004	4.15-	28	4.15-	27	GLOB	UNIF	WV	0	2
2526	LOAD	Z	8011004	4.15-	17	4.15-	16	GLOB	UNIF	WV	0	2
2527	LOAD	X	8011004	8.30-	04	4.15-	04	GLOB	UNIF	WV	0	2
2528	LOAD	Y	8011004	8.30-	27	4.15-	26	GLOB	UNIF	WV	0	2
2529	LOAD	Z	8011004	8.30-	16	4.15-	15	GLOB	UNIF	WV	0	2
2530	LOAD	X	8011004	12.46-	04	4.15-	04	GLOB	UNIF	WV	0	2
2531	LOAD	Y	8011004	12.46-	26	4.15-	25	GLOB	UNIF	WV	0	2
2532	LOAD	Z	8011004	12.46-	15	4.15-	15	GLOB	UNIF	WV	0	2
2533	LOAD	X	8011004	16.61-	04	4.15-	04	GLOB	UNIF	WV	0	2
2534	LOAD	Y	8011004	16.61-	25	4.15-	24	GLOB	UNIF	WV	0	2
2535	LOAD	Z	8011004	16.61-	15	4.15-	14	GLOB	UNIF	WV	0	2
2536	LOAD	X	8011004	20.76-	04	4.15-	03	GLOB	UNIF	WV	0	2
2537	LOAD	Y	8011004	20.76-	24	4.15-	23	GLOB	UNIF	WV	0	2
2538	LOAD	Z	8011004	20.76-	14	4.15-	14	GLOB	UNIF	WV	0	2
2539	LOAD	X	8011004	24.91-	03	4.15-	03	GLOB	UNIF	WV	0	2
2540	LOAD	Y	8011004	24.91-	23	4.15-	22	GLOB	UNIF	WV	0	2
2541	LOAD	Z	8011004	24.91-	14	4.15-	13	GLOB	UNIF	WV	0	2
2542	LOAD	X	8011004	29.06-	03	4.15-	02	GLOB	UNIF	WV	0	2
2543	LOAD	Y	8011004	29.06-	22	4.15-	16	GLOB	UNIF	WV	0	2
2544	LOAD	Z	8011004	29.06-	13	4.15-	10	GLOB	UNIF	WV	0	2
2545	LOAD	X	8011004	33.22-	02	4.15-	1	GLOB	UNIF	WV	0	2
2546	LOAD	Y	8011004	33.22-	16	4.15-	09	GLOB	UNIF	WV	0	2
2547	LOAD	Z	8011004	33.22-	10	4.15-	06	GLOB	UNIF	WV	0	2
2548	LOAD	X	8011004	37.37-	1	4.15		GLOB	UNIF	WV	0	2

S T R A N   I N P U T   D A T A

3-PILE ALMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

2549	LOAD Y	8011004	37.37-	09	4.15-	1	GLOB	UNIF	WV	0	2
2550	LOAD Z	8011004	37.37-	06	4.15-	1	GLOB	UNIF	WV	0	2
2551	LOAD X	8061004	0.00-	06	4.15-	06	GLOB	UNIF	WV	0	2
2552	LOAD Y	8061004	0.00-	25	4.15-	24	GLOB	UNIF	WV	0	2
2553	LOAD Z	8061004	0.00	11	4.15	11	GLOB	UNIF	WV	0	2
2554	LOAD X	8061004	4.15-	06	4.15-	05	GLOB	UNIF	WV	0	2
2555	LOAD Y	8061004	4.15-	24	4.15-	24	GLOB	UNIF	WV	0	2
2556	LOAD Z	8061004	4.15	11	4.15	11	GLOB	UNIF	WV	0	2
2557	LOAD X	8061004	8.30-	05	4.15-	05	GLOB	UNIF	WV	0	2
2558	LOAD Y	8061004	8.30-	24	4.15-	23	GLOB	UNIF	WV	0	2
2559	LOAD Z	8061004	8.30	11	4.15	11	GLOB	UNIF	WV	0	2
2560	LOAD X	8061004	12.46-	05	4.15-	05	GLOB	UNIF	WV	0	2
2561	LOAD Y	8061004	12.46-	23	4.15-	23	GLOB	UNIF	WV	0	2
2562	LOAD Z	8061004	12.46	11	4.15	11	GLOB	UNIF	WV	0	2
2563	LOAD X	8061004	16.61-	05	4.15-	05	GLOB	UNIF	WV	0	2
2564	LOAD Y	8061004	16.61-	23	4.15-	23	GLOB	UNIF	WV	0	2
2565	LOAD Z	8061004	16.61	11	4.15	11	GLOB	UNIF	WV	0	2
2566	LOAD X	8061004	20.76-	05	4.15-	05	GLOB	UNIF	WV	0	2
2567	LOAD Y	8061004	20.76-	23	4.15-	23	GLOB	UNIF	WV	0	2
2568	LOAD Z	8061004	20.76	11	4.15	11	GLOB	UNIF	WV	0	2
2569	LOAD X	8061004	24.91-	05	4.15-	05	GLOB	UNIF	WV	0	2
2570	LOAD Y	8061004	24.91-	23	4.15-	22	GLOB	UNIF	WV	0	2
2571	LOAD Z	8061004	24.91	11	4.15	10	GLOB	UNIF	WV	0	2
2572	LOAD X	8061004	29.07-	05	4.15-	05	GLOB	UNIF	WV	0	2
2573	LOAD Y	8061004	29.07-	22	4.15-	13	GLOB	UNIF	WV	0	2
2574	LOAD Z	8061004	29.07	10	4.15	05	GLOB	UNIF	WV	0	2
2575	LOAD X	8061004	33.22-	05	4.15-	03	GLOB	UNIF	WV	0	2
2576	LOAD Y	8061004	33.22-	13	4.15-	07	GLOB	UNIF	WV	0	2
2577	LOAD Z	8061004	33.22	05	4.15	03	GLOB	UNIF	WV	0	2
2578	LOAD X	8061004	37.37-	03	4.15		GLOB	UNIF	WV	0	2
2579	LOAD Y	8061004	37.37-	07	4.15-	1	GLOB	UNIF	WV	0	2
2580	LOAD Z	8061004	37.37	03	4.15	1	GLOB	UNIF	WV	0	2
2581	LOAD Y	10011002	0.00-	04	5.71-	04	GLOB	UNIF	WV	0	2
2582	LOAD Y	10011002	5.71-	04	5.71-	04	GLOB	UNIF	WV	0	2
2583	LOAD Y	10011002	11.43-	04	5.71-	04	GLOB	UNIF	WV	0	2
2584	LOAD Y	10011002	17.14-	04	5.71-	04	GLOB	UNIF	WV	0	2
2585	LOAD Y	10011002	22.86-	04	5.71-	04	GLOB	UNIF	WV	0	2
2586	LOAD Y	10021003	0.00-	04	5.71-	04	GLOB	UNIF	WV	0	2
2587	LOAD Y	10021003	5.71-	04	5.71-	04	GLOB	UNIF	WV	0	2
2588	LOAD Y	10021003	11.43-	04	5.71-	04	GLOB	UNIF	WV	0	2
2589	LOAD Y	10021003	17.14-	04	5.71-	04	GLOB	UNIF	WV	0	2
2590	LOAD Y	10021003	22.86-	04	5.71-	04	GLOB	UNIF	WV	0	2
2591	LOAD X	10031005	0.00	02	5.71	02	GLOB	UNIF	WV	0	2
2592	LOAD Y	10031005	0.00-	1	5.71-	1	GLOB	UNIF	WV	0	2
2593	LOAD X	10031005	5.71	02	5.71	1	GLOB	UNIF	WV	0	2
2594	LOAD Y	10031005	5.71-	1	5.71-	1	GLOB	UNIF	WV	0	2
2595	LOAD X	10031005	11.43	1	5.71	1	GLOB	UNIF	WV	0	2
2596	LOAD Y	10031005	11.43-	1	5.71-	1	GLOB	UNIF	WV	0	2
2597	LOAD X	10031005	17.14	1	5.71	1	GLOB	UNIF	WV	0	2

STRAN INPUT DATA

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    2598  LOAD Y 10031005   17.14-     1   5.71                        GLOB UNIF     WV 0 2
    2599  LOAD X 10031005   22.85      1   5.71        1               GLOB UNIF     WV 0 2
    2600  LOAD X 10051006    0.00      1   5.71                        GLOB UNIF     WV 0 2
    2601  LOAD X 10011004    0.00-    02   5.71-      02               GLOB UNIF     WV 0 2
    2602  LOAD Y 10011004    0.00-     1   5.71-       1               GLOB UNIF     WV 0 2
    2603  LOAD X 10011004    5.71-    02   5.71-       1               GLOB UNIF     WV 0 2
    2604  LOAD Y 10011004    5.71-     1   5.71-       1               GLOB UNIF     WV 0 2
    2605  LOAD X 10011004   11.43-     1   5.71-       1               GLOB UNIF     WV 0 2
    2606  LOAD Y 10011004   11.43-     1   5.71-       1               GLOB UNIF     WV 0 2
    2607  LOAD X 10011004   17.14-     1   5.71-       1               GLOB UNIF     WV 0 2
    2608  LOAD Y 10011004   17.14-     1   5.71                        GLOB UNIF     WV 0 2
    2609  LOAD X 10011004   22.85-     1   5.71-       1               GLOB UNIF     WV 0 2
    2610  LOAD X 10041005    0.00-     1   5.71                        GLOB UNIF     WV 0 2
    2611  LOAD X 10021004    0.00      1   5.71        1               GLOB UNIF     WV 0 2
    2612  LOAD X 10021004    5.71      1   5.71        1               GLOB UNIF     WV 0 2
    2613  LOAD X 10021004   11.43      1   5.71        1               GLOB UNIF     WV 0 2
    2614  LOAD X 10021004   17.14      1   5.71        1               GLOB UNIF     WV 0 2
    2615  LOAD X 10021004   22.86      1   5.71        1               GLOB UNIF     WV 0 2
    2616  LOAD X 10021005    0.00-     1   5.71-       1               GLOB UNIF     WV 0 2
    2617  LOAD X 10021005    5.71-     1   5.71-       1               GLOB UNIF     WV 0 2
    2618  LOAD X 10021005   11.43-     1   5.71-       1               GLOB UNIF     WV 0 2
    2619  LOAD X 10021005   17.14-     1   5.71-       1               GLOB UNIF     WV 0 2
    2620  LOAD X 10021005   22.86-     1   5.71-       1               GLOB UNIF     WV 0 2
    2621  LOAD Y 10041005    0.00-     1   5.72-       1               GLOB UNIF     WV 0 2
    2622  LOAD Y 10041005    5.72-     1   5.72-       1               GLOB UNIF     WV 0 2
    2623  LOAD Y 10041005   11.43-     1   5.72-       1               GLOB UNIF     WV 0 2
    2624  LOAD Y 10041005   17.15-     1   5.72-       1               GLOB UNIF     WV 0 2
    2625  LOAD Y 10041005   22.86-     1   5.72-       1               GLOB UNIF     WV 0 2
    2626  LOAD Y   201 301   7.23-   126   1.55-     155               GLOB UNIF     WV 0 2
    2627  LOAD Y   201 301   8.79-   155   1.55-     182               GLOB UNIF     WV 0 2
    2628  LOAD Y   201 301  10.34-   182   1.55-     198               GLOB UNIF     WV 0 2
    2629  LOAD Y   201 301  11.89-   198   1.55-     208               GLOB UNIF     WV 0 2
    2630  LOAD Y   201 301  13.45-   208   1.55-     217               GLOB UNIF     WV 0 2
    2631  LOAD Y   203 303   7.23-   126   1.55-     155               GLOB UNIF     WV 0 2
    2632  LOAD Y   203 303   8.79-   155   1.55-     182               GLOB UNIF     WV 0 2
    2633  LOAD Y   203 303  10.34-   182   1.55-     198               GLOB UNIF     WV 0 2
    2634  LOAD Y   203 303  11.89-   198   1.55-     208               GLOB UNIF     WV 0 2
    2635  LOAD Y   203 303  13.45-   208   1.55-     217               GLOB UNIF     WV 0 2
    2636  LOAD Y   206 306  12.91           .30-      56               GLOB UNIF     WV 0 2
    2637  LOAD Y   206 306  13.21-    56    .30-      60               GLOB UNIF     WV 0 2
    2638  LOAD Y   206 306  13.51-    60    .30-      63               GLOB UNIF     WV 0 2
    2639  LOAD Y   206 306  13.80-    63    .30-      66               GLOB UNIF     WV 0 2
    2640  LOAD Y   206 306  14.10-    66    .30-      70               GLOB UNIF     WV 0 2
    2641  LOAD Y   206 306  14.40-    70    .30-      73               GLOB UNIF     WV 0 2
    2642  LOAD Y   206 306  14.70-    73    .30-      76               GLOB UNIF     WV 0 2
    2643  LOAD Y   301 401   0.00-   217   5.70-     250               GLOB UNIF     WV 0 2
    2644  LOAD Y   301 401   5.70-   250   5.70-     253               GLOB UNIF     WV 0 2
    2645  LOAD Y   301 401  11.40-   253   5.70-     243               GLOB UNIF     WV 0 2
    2646  LOAD Y   301 401  17.10-   243   5.70-     190               GLOB UNIF     WV 0 2
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5			....2....2....5	3	....3....5	....4....4....5	....5....5....5....6	....6....5....7	....7....5....8
2047	LOAD Y	501	401	22.80=	190	5.70=	152		GLOB UNIF	WV 0 2
2048	LOAD Y	503	403	0.00=	217	5.70=	250		GLOB UNIF	WV 0 2
2049	LOAD Y	503	403	5.70=	250	5.70=	253		GLOB UNIF	WV 0 2
2050	LOAD Y	503	403	11.40=	253	5.70=	243		GLOB UNIF	WV 0 2
2051	LOAD Y	503	403	17.10=	243	5.70=	190		GLOB UNIF	WV 0 2
2052	LOAD Y	503	403	22.80=	190	5.70=	152		GLOB UNIF	WV 0 2
2053	LOAD Y	506	406	0.00=	76	5.70=	140		GLOB UNIF	WV 0 2
2054	LOAD Y	506	406	5.70=	140	5.70=	170		GLOB UNIF	WV 0 2
2055	LOAD Y	506	406	11.40=	170	5.70=	184		GLOB UNIF	WV 0 2
2056	LOAD Y	506	406	17.10=	184	5.70=	143		GLOB UNIF	WV 0 2
2057	LOAD Y	506	406	22.80=	143	5.70=	113		GLOB UNIF	WV 0 2
2058	LOAD X	401	501	0.00=	16	.91=	15		GLOB UNIF	WV 0 2
2059	LOAD Y	401	501	0.00=	245	.91=	240		GLOB UNIF	WV 0 2
2060	LOAD Z	401	501	0.00	18	.91	18		GLOB UNIF	WV 0 2
2061	LOAD X	401	501	.91=	15	.91=	15		GLOB UNIF	WV 0 2
2062	LOAD Y	401	501	.91=	240	.91=	235		GLOB UNIF	WV 0 2
2063	LOAD Z	401	501	.91	18	.91	18		GLOB UNIF	WV 0 2
2064	LOAD X	401	501	1.83=	15	.91=	15		GLOB UNIF	WV 0 2
2065	LOAD Y	401	501	1.83=	235	.91=	230		GLOB UNIF	WV 0 2
2066	LOAD Z	401	501	1.83	18	.91	17		GLOB UNIF	WV 0 2
2067	LOAD X	401	501	2.74=	15	.91=	15		GLOB UNIF	WV 0 2
2068	LOAD Y	401	501	2.74=	230	.91=	225		GLOB UNIF	WV 0 2
2069	LOAD Z	401	501	2.74	17	.91	17		GLOB UNIF	WV 0 2
2070	LOAD X	401	501	3.65=	15	.91=	15		GLOB UNIF	WV 0 2
2071	LOAD Y	401	501	3.65=	225	.91=	220		GLOB UNIF	WV 0 2
2072	LOAD Z	401	501	3.65	17	.91	16		GLOB UNIF	WV 0 2
2073	LOAD X	403	503	0.00	16	.91	15		GLOB UNIF	WV 0 2
2074	LOAD Y	403	503	0.00=	245	.91=	240		GLOB UNIF	WV 0 2
2075	LOAD Z	403	503	0.00	18	.91	18		GLOB UNIF	WV 0 2
2076	LOAD X	403	503	.91	15	.91	15		GLOB UNIF	WV 0 2
2077	LOAD Y	403	503	.91=	240	.91=	235		GLOB UNIF	WV 0 2
2078	LOAD Z	403	503	.91	18	.91	18		GLOB UNIF	WV 0 2
2079	LOAD X	403	503	1.83	15	.91	15		GLOB UNIF	WV 0 2
2080	LOAD Y	403	503	1.83=	235	.91=	230		GLOB UNIF	WV 0 2
2081	LOAD Z	403	503	1.83	18	.91	17		GLOB UNIF	WV 0 2
2082	LOAD X	403	503	2.74	15	.91	15		GLOB UNIF	WV 0 2
2083	LOAD Y	403	503	2.74=	230	.91=	225		GLOB UNIF	WV 0 2
2084	LOAD Z	403	503	2.74	17	.91	17		GLOB UNIF	WV 0 2
2085	LOAD X	403	503	3.65	15	.91	15		GLOB UNIF	WV 0 2
2086	LOAD Y	403	503	3.65=	225	.91=	220		GLOB UNIF	WV 0 2
2087	LOAD Z	403	503	3.65	17	.91	16		GLOB UNIF	WV 0 2
2088	LOAD Y	406	506	0.00=	171	.91=	167		GLOB UNIF	WV 0 2
2089	LOAD Z	406	506	0.00=	28	.91=	26		GLOB UNIF	WV 0 2
2090	LOAD Y	406	506	.91=	167	.91=	163		GLOB UNIF	WV 0 2
2091	LOAD Z	406	506	.91=	28	.91=	27		GLOB UNIF	WV 0 2
2092	LOAD Y	406	506	1.82=	163	.91=	159		GLOB UNIF	WV 0 2
2093	LOAD Z	406	506	1.82=	27	.91=	26		GLOB UNIF	WV 0 2
2094	LOAD Y	406	506	2.74=	159	.91=	155		GLOB UNIF	WV 0 2
2095	LOAD Z	406	506	2.74=	26	.91=	26		GLOB UNIF	WV 0 2

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
2696	LOAD	Y	406 506	3.65-	155	.91-	151	GLOB	UNIF	WV	0 2
2697	LOAD	Z	406 506	3.65-	26	.91-	25	GLOB	UNIF	WV	0 2
2698	LOAD	X	501 601	0.00-	14	1.22-	14	GLOB	UNIF	WV	0 2
2699	LOAD	Y	501 601	0.00-	217	1.22-	211	GLOB	UNIF	WV	0 2
2700	LOAD	Z	501 601	0.00	16	1.22	15	GLOB	UNIF	WV	0 2
2701	LOAD	X	501 601	1.22-	14	1.22-	14	GLOB	UNIF	WV	0 2
2702	LOAD	Y	501 601	1.22-	211	1.22-	204	GLOB	UNIF	WV	0 2
2703	LOAD	Z	501 601	1.22	15	1.22	15	GLOB	UNIF	WV	0 2
2704	LOAD	X	501 601	2.43-	14	1.22-	13	GLOB	UNIF	WV	0 2
2705	LOAD	Y	501 601	2.43-	204	1.22-	198	GLOB	UNIF	WV	0 2
2706	LOAD	Z	501 601	2.43	15	1.22	15	GLOB	UNIF	WV	0 2
2707	LOAD	X	501 601	3.65-	13	1.22-	13	GLOB	UNIF	WV	0 2
2708	LOAD	Y	501 601	3.65-	198	1.22-	194	GLOB	UNIF	WV	0 2
2709	LOAD	Z	501 601	3.65	15	1.22	14	GLOB	UNIF	WV	0 2
2710	LOAD	X	501 601	4.87-	13	1.22-	13	GLOB	UNIF	WV	0 2
2711	LOAD	Y	501 601	4.87-	194	1.22-	189	GLOB	UNIF	WV	0 2
2712	LOAD	Z	501 601	4.87	14	1.22	14	GLOB	UNIF	WV	0 2
2713	LOAD	X	503 603	0.00	14	1.22	14	GLOB	UNIF	WV	0 2
2714	LOAD	Y	503 603	0.00-	217	1.22-	211	GLOB	UNIF	WV	0 2
2715	LOAD	Z	503 603	0.00	16	1.22	15	GLOB	UNIF	WV	0 2
2716	LOAD	X	503 603	1.22	14	1.22	14	GLOB	UNIF	WV	0 2
2717	LOAD	Y	503 603	1.22-	211	1.22-	204	GLOB	UNIF	WV	0 2
2718	LOAD	Z	503 603	1.22	15	1.22	15	GLOB	UNIF	WV	0 2
2719	LOAD	X	503 603	2.43	14	1.22	13	GLOB	UNIF	WV	0 2
2720	LOAD	Y	503 603	2.43-	204	1.22-	198	GLOB	UNIF	WV	0 2
2721	LOAD	Z	503 603	2.43	15	1.22	15	GLOB	UNIF	WV	0 2
2722	LOAD	X	503 603	3.65	13	1.22	13	GLOB	UNIF	WV	0 2
2723	LOAD	Y	503 603	3.65-	198	1.22-	194	GLOB	UNIF	WV	0 2
2724	LOAD	Z	503 603	3.65	15	1.22	14	GLOB	UNIF	WV	0 2
2725	LOAD	X	503 603	4.87	13	1.22	13	GLOB	UNIF	WV	0 2
2726	LOAD	Y	503 603	4.87-	194	1.22-	189	GLOB	UNIF	WV	0 2
2727	LOAD	Z	503 603	4.87	14	1.22	14	GLOB	UNIF	WV	0 2
2728	LOAD	Y	505 605	0.00-	149	1.22-	144	GLOB	UNIF	WV	0 2
2729	LOAD	Z	505 605	0.00-	25	1.22-	24	GLOB	UNIF	WV	0 2
2730	LOAD	Y	505 605	1.22-	144	1.22-	139	GLOB	UNIF	WV	0 2
2731	LOAD	Z	505 605	1.22-	24	1.22-	23	GLOB	UNIF	WV	0 2
2732	LOAD	Y	505 605	2.43-	139	1.22-	135	GLOB	UNIF	WV	0 2
2733	LOAD	Z	506 606	2.43-	23	1.22-	22	GLOB	UNIF	WV	0 2
2734	LOAD	Y	506 606	3.65-	135	1.22-	131	GLOB	UNIF	WV	0 2
2735	LOAD	Z	506 606	3.65-	22	1.22-	22	GLOB	UNIF	WV	0 2
2736	LOAD	Y	506 606	4.87-	131	1.22-	126	GLOB	UNIF	WV	0 2
2737	LOAD	Z	506 606	4.87-	22	1.22-	21	GLOB	UNIF	WV	0 2
2738	LOAD	X	601 631	0.00-	13	1.22-	13	GLOB	UNIF	WV	0 2
2739	LOAD	Y	601 631	0.00-	189	1.22-	185	GLOB	UNIF	WV	0 2
2740	LOAD	Z	601 631	0.00	14	1.22	13	GLOB	UNIF	WV	0 2
2741	LOAD	X	601 631	1.22-	13	1.22-	13	GLOB	UNIF	WV	0 2
2742	LOAD	Y	601 631	1.22-	185	1.22-	180	GLOB	UNIF	WV	0 2
2743	LOAD	Z	601 631	1.22	13	1.22	13	GLOB	UNIF	WV	0 2
2744	LOAD	X	601 631	2.43-	13	1.22-	12	GLOB	UNIF	WV	0 2

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
2745	LOAD Y	601 651	2.43-	180	1.22-	175	GLOB UNIF	NV	0	2
2746	LOAD Z	601 651	2.43	13	1.22	13	GLOB UNIF	NV	0	2
2747	LOAD X	601 651	3.05-	12	1.22-	12	GLOB UNIF	NV	0	2
2748	LOAD Y	601 651	3.05-	175	1.22-	171	GLOB UNIF	NV	0	2
2749	LOAD Z	601 651	3.05	13	1.22	13	GLOB UNIF	NV	0	2
2750	LOAD X	601 651	4.87-	12	1.22-	12	GLOB UNIF	NV	0	2
2751	LOAD Y	601 651	4.87-	171	1.22-	166	GLOB UNIF	NV	0	2
2752	LOAD Z	601 651	4.87	13	1.22	12	GLOB UNIF	NV	0	2
2753	LOAD X	603 653	0.00	13	1.22	13	GLOB UNIF	NV	0	2
2754	LOAD Y	603 653	0.00-	169	1.22-	165	GLOB UNIF	NV	0	2
2755	LOAD Z	603 653	0.00	14	1.22	13	GLOB UNIF	NV	0	2
2756	LOAD X	603 653	1.22	13	1.22	13	GLOB UNIF	NV	0	2
2757	LOAD Y	603 653	1.22-	165	1.22-	160	GLOB UNIF	NV	0	2
2758	LOAD Z	603 653	1.22	13	1.22	13	GLOB UNIF	NV	0	2
2759	LOAD X	603 653	2.43	13	1.22	12	GLOB UNIF	NV	0	2
2760	LOAD Y	603 653	2.43-	180	1.22-	175	GLOB UNIF	NV	0	2
2761	LOAD Z	603 653	2.43	13	1.22	13	GLOB UNIF	NV	0	2
2762	LOAD X	603 653	3.05	12	1.22	12	GLOB UNIF	NV	0	2
2763	LOAD Y	603 653	3.05-	175	1.22-	171	GLOB UNIF	NV	0	2
2764	LOAD Z	603 653	3.05	13	1.22	13	GLOB UNIF	NV	0	2
2765	LOAD X	603 653	4.87	12	1.22	12	GLOB UNIF	NV	0	2
2766	LOAD Y	603 653	4.87-	171	1.22-	166	GLOB UNIF	NV	0	2
2767	LOAD Z	603 653	4.87	13	1.22	12	GLOB UNIF	NV	0	2
2768	LOAD Y	605 655	0.00-	126	1.22-	124	GLOB UNIF	NV	0	2
2769	LOAD Z	605 655	0.00-	21	1.22-	21	GLOB UNIF	NV	0	2
2770	LOAD Y	605 655	1.22-	124	1.22-	121	GLOB UNIF	NV	0	2
2771	LOAD Z	605 655	1.22-	21	1.22-	20	GLOB UNIF	NV	0	2
2772	LOAD Y	605 655	2.43-	121	1.22-	118	GLOB UNIF	NV	0	2
2773	LOAD Z	605 655	2.43-	20	1.22-	20	GLOB UNIF	NV	0	2
2774	LOAD Y	605 655	3.05-	118	1.22-	114	GLOB UNIF	NV	0	2
2775	LOAD Z	605 655	3.05-	20	1.22-	19	GLOB UNIF	NV	0	2
2776	LOAD Y	605 655	4.87-	114	1.22-	111	GLOB UNIF	NV	0	2
2777	LOAD Z	605 655	4.87-	19	1.22-	16	GLOB UNIF	NV	0	2
2778	LOAD X	631 651	0.00-	23	1.22-	22	GLOB UNIF	NV	0	2
2779	LOAD Y	631 651	0.00-	248	1.22-	241	GLOB UNIF	NV	0	2
2780	LOAD Z	631 651	0.00	17	1.22	17	GLOB UNIF	NV	0	2
2781	LOAD X	631 651	1.22-	22	1.22-	22	GLOB UNIF	NV	0	2
2782	LOAD Y	631 651	1.22-	241	1.22-	237	GLOB UNIF	NV	0	2
2783	LOAD Z	631 651	1.22	17	1.22	17	GLOB UNIF	NV	0	2
2784	LOAD X	631 651	2.43-	22	1.22-	22	GLOB UNIF	NV	0	2
2785	LOAD Y	631 651	2.43-	237	1.22-	232	GLOB UNIF	NV	0	2
2786	LOAD Z	631 651	2.43	17	1.22	16	GLOB UNIF	NV	0	2
2787	LOAD X	631 651	3.05-	22	1.22-	21	GLOB UNIF	NV	0	2
2788	LOAD Y	631 651	3.05-	232	1.22-	227	GLOB UNIF	NV	0	2
2789	LOAD Z	631 651	3.05	16	1.22	16	GLOB UNIF	NV	0	2
2790	LOAD X	631 651	4.87-	21	1.22-	21	GLOB UNIF	NV	0	2
2791	LOAD Y	631 651	4.87-	227	1.22-	225	GLOB UNIF	NV	0	2
2792	LOAD Z	631 651	4.87	16	1.22	16	GLOB UNIF	NV	0	2
2793	LOAD X	633 653	0.00	23	1.22	22	GLOB UNIF	NV	0	2

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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2794	LOAD	Y	653	653	0.00-	246	1.22-	241	GLOB	UNIF	WV	0	2
2795	LOAD	Z	653	653	0.00	17	1.22	17	GLOB	UNIF	WV	0	2
2796	LOAD	X	653	653	1.22	22	1.22	22	GLOB	UNIF	WV	0	2
2797	LOAD	Y	653	653	1.22-	241	1.22-	237	GLOB	UNIF	WV	0	2
2798	LOAD	Z	653	653	1.22	17	1.22	17	GLOB	UNIF	WV	0	2
2799	LOAD	X	653	653	2.43	22	1.22	22	GLOB	UNIF	WV	0	2
2800	LOAD	Y	653	653	2.43-	237	1.22-	232	GLOB	UNIF	WV	0	2
2801	LOAD	Z	653	653	2.43	17	1.22	16	GLOB	UNIF	WV	0	2
2802	LOAD	X	653	653	3.65	22	1.22	21	GLOB	UNIF	WV	0	2
2803	LOAD	Y	653	653	3.65-	232	1.22-	227	GLOB	UNIF	WV	0	2
2804	LOAD	Z	653	653	3.65	16	1.22	16	GLOB	UNIF	WV	0	2
2805	LOAD	X	653	653	4.87	21	1.22	21	GLOB	UNIF	WV	0	2
2806	LOAD	Y	653	653	4.87-	227	1.22-	223	GLOB	UNIF	WV	0	2
2807	LOAD	Z	653	653	4.87	16	1.22	16	GLOB	UNIF	WV	0	2
2808	LOAD	Y	656	656	0.00-	141	1.22-	137	GLOB	UNIF	WV	0	2
2809	LOAD	Z	656	656	0.00-	24	1.22-	23	GLOB	UNIF	WV	0	2
2810	LOAD	Y	656	656	1.22-	137	1.22-	134	GLOB	UNIF	WV	0	2
2811	LOAD	Z	656	656	1.22-	23	1.22-	22	GLOB	UNIF	WV	0	2
2812	LOAD	Y	656	656	2.43-	134	1.22-	130	GLOB	UNIF	WV	0	2
2813	LOAD	Z	656	656	2.43-	22	1.22-	22	GLOB	UNIF	WV	0	2
2814	LOAD	Y	656	656	3.65-	130	1.22-	127	GLOB	UNIF	WV	0	2
2815	LOAD	Z	656	656	3.65-	22	1.22-	21	GLOB	UNIF	WV	0	2
2816	LOAD	Y	656	656	4.87-	127	1.22-	124	GLOB	UNIF	WV	0	2
2817	LOAD	Z	656	656	4.87-	21	1.22-	21	GLOB	UNIF	WV	0	2
2818	LOAD	X	651	701	0.00-	21	1.42-	20	GLOB	UNIF	WV	0	2
2819	LOAD	Y	651	701	0.00-	225	1.42-	217	GLOB	UNIF	WV	0	2
2820	LOAD	Z	651	701	0.00	15	1.42	15	GLOB	UNIF	WV	0	2
2821	LOAD	X	651	701	1.42-	20	1.42-	20	GLOB	UNIF	WV	0	2
2822	LOAD	Y	651	701	1.42-	217	1.42-	212	GLOB	UNIF	WV	0	2
2823	LOAD	Z	651	701	1.42	15	1.42	15	GLOB	UNIF	WV	0	2
2824	LOAD	X	651	701	2.84-	20	1.42-	19	GLOB	UNIF	WV	0	2
2825	LOAD	Y	651	701	2.84-	212	1.42-	206	GLOB	UNIF	WV	0	2
2826	LOAD	Z	651	701	2.84	15	1.42	14	GLOB	UNIF	WV	0	2
2827	LOAD	X	651	701	4.26-	19	1.42-	19	GLOB	UNIF	WV	0	2
2828	LOAD	Y	651	701	4.26-	206	1.42-	201	GLOB	UNIF	WV	0	2
2829	LOAD	Z	651	701	4.26	14	1.42	14	GLOB	UNIF	WV	0	2
2830	LOAD	X	651	701	5.68-	19	1.42-	18	GLOB	UNIF	WV	0	2
2831	LOAD	Y	651	701	5.68-	201	1.42-	197	GLOB	UNIF	WV	0	2
2832	LOAD	Z	651	701	5.68	14	1.42	14	GLOB	UNIF	WV	0	2
2833	LOAD	X	653	703	0.00	21	1.42	20	GLOB	UNIF	WV	0	2
2834	LOAD	Y	653	703	0.00-	223	1.42-	217	GLOB	UNIF	WV	0	2
2835	LOAD	Z	653	703	0.00	15	1.42	15	GLOB	UNIF	WV	0	2
2836	LOAD	X	653	703	1.42	20	1.42	20	GLOB	UNIF	WV	0	2
2837	LOAD	Y	653	703	1.42-	217	1.42-	212	GLOB	UNIF	WV	0	2
2838	LOAD	Z	653	703	1.42	15	1.42	15	GLOB	UNIF	WV	0	2
2839	LOAD	X	653	703	2.84	20	1.42	19	GLOB	UNIF	WV	0	2
2840	LOAD	Y	653	703	2.84-	212	1.42-	206	GLOB	UNIF	WV	0	2
2841	LOAD	Z	653	703	2.84	15	1.42	14	GLOB	UNIF	WV	0	2
2842	LOAD	X	653	703	4.26	19	1.42	19	GLOB	UNIF	WV	0	2

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.													
2843	LOAD	Y	655	703	4.26-	206	1.42-	201	GLOB	UNIF	WV	0	2
2844	LOAD	Z	655	703	4.26	14	1.42	14	GLOB	UNIF	WV	0	2
2845	LOAD	X	655	703	5.68	19	1.42	18	GLOB	UNIF	WV	0	2
2846	LOAD	Y	655	703	5.68-	201	1.42-	197	GLOB	UNIF	WV	0	2
2847	LOAD	Z	655	703	5.68	14	1.42	14	GLOB	UNIF	WV	0	2
2848	LOAD	Y	656	706	0.00-	124	1.42-	120	GLOB	UNIF	WV	0	2
2849	LOAD	Z	655	706	0.00-	21	1.42-	20	GLOB	UNIF	WV	0	2
2850	LOAD	Y	655	706	1.42-	120	1.42-	116	GLOB	UNIF	WV	0	2
2851	LOAD	Z	655	706	1.42-	20	1.42-	19	GLOB	UNIF	WV	0	2
2852	LOAD	Y	656	706	2.84-	116	1.42-	112	GLOB	UNIF	WV	0	2
2853	LOAD	Z	655	706	2.84-	19	1.42-	19	GLOB	UNIF	WV	0	2
2854	LOAD	Y	656	706	4.26-	112	1.42-	109	GLOB	UNIF	WV	0	2
2855	LOAD	Z	656	706	4.26-	19	1.42-	18	GLOB	UNIF	WV	0	2
2856	LOAD	Y	656	706	5.68-	109	1.42-	106	GLOB	UNIF	WV	0	2
2857	LOAD	Z	655	706	5.68-	18	1.42-	18	GLOB	UNIF	WV	0	2
2858	LOAD	X	701	801	0.00-	16	6.89-	14	GLOB	UNIF	WV	0	2
2859	LOAD	Y	701	801	0.00-	180	6.89-	166	GLOB	UNIF	WV	0	2
2860	LOAD	Z	701	801	0.00	13	6.89	12	GLOB	UNIF	WV	0	2
2861	LOAD	X	701	801	6.89-	14	6.89-	13	GLOB	UNIF	WV	0	2
2862	LOAD	Y	701	801	6.89-	166	6.89-	151	GLOB	UNIF	WV	0	2
2863	LOAD	Z	701	801	6.89	12	6.89	11	GLOB	UNIF	WV	0	2
2864	LOAD	X	701	801	13.79-	13	6.89-	11	GLOB	UNIF	WV	0	2
2865	LOAD	Y	701	801	13.79-	151	6.89-	138	GLOB	UNIF	WV	0	2
2866	LOAD	Z	701	801	13.79	11	6.89	10	GLOB	UNIF	WV	0	2
2867	LOAD	X	701	801	20.68-	11	6.89-	09	GLOB	UNIF	WV	0	2
2868	LOAD	Y	701	801	20.68-	138	6.89-	124	GLOB	UNIF	WV	0	2
2869	LOAD	Z	701	801	20.68	10	6.89	09	GLOB	UNIF	WV	0	2
2870	LOAD	X	701	801	27.57-	09	6.89-	08	GLOB	UNIF	WV	0	2
2871	LOAD	Y	701	801	27.57-	124	6.89-	116	GLOB	UNIF	WV	0	2
2872	LOAD	Z	701	801	27.57	09	6.89	09	GLOB	UNIF	WV	0	2
2873	LOAD	X	703	803	0.00	16	6.89	14	GLOB	UNIF	WV	0	2
2874	LOAD	Y	703	803	0.00-	185	6.89-	166	GLOB	UNIF	WV	0	2
2875	LOAD	Z	703	803	0.00	13	6.89	12	GLOB	UNIF	WV	0	2
2876	LOAD	X	703	803	6.89	14	6.89	13	GLOB	UNIF	WV	0	2
2877	LOAD	Y	703	803	6.89-	166	6.89-	151	GLOB	UNIF	WV	0	2
2878	LOAD	Z	703	803	6.89	12	6.89	11	GLOB	UNIF	WV	0	2
2879	LOAD	X	703	803	13.79	13	6.89	11	GLOB	UNIF	WV	0	2
2880	LOAD	Y	703	803	13.79-	151	6.89-	138	GLOB	UNIF	WV	0	2
2881	LOAD	Z	703	803	13.79	11	6.89	10	GLOB	UNIF	WV	0	2
2882	LOAD	X	703	803	20.68	11	6.89	09	GLOB	UNIF	WV	0	2
2883	LOAD	Y	703	803	20.68-	138	6.89-	124	GLOB	UNIF	WV	0	2
2884	LOAD	Z	703	803	20.68	10	6.89	09	GLOB	UNIF	WV	0	2
2885	LOAD	X	703	803	27.57	09	6.89	08	GLOB	UNIF	WV	0	2
2886	LOAD	Y	703	803	27.57-	124	6.89-	116	GLOB	UNIF	WV	0	2
2887	LOAD	Z	703	803	27.57	09	6.89	09	GLOB	UNIF	WV	0	2
2888	LOAD	Y	705	806	0.00-	105	6.89-	92	GLOB	UNIF	WV	0	2
2889	LOAD	Z	706	806	0.00-	16	6.89-	15	GLOB	UNIF	WV	0	2
2890	LOAD	Y	705	806	6.89-	92	6.89-	80	GLOB	UNIF	WV	0	2
2891	LOAD	Z	706	806	6.89-	15	6.89-	13	GLOB	UNIF	WV	0	2

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.									
2892	LOAD	Y	706 806	13.79-	80	6.89-	70	GLOB UNIF	WV 0 2
2893	LOAD	Z	706 806	13.79-	13	6.89-	12	GLOB UNIF	WV 0 2
2894	LOAD	Y	706 806	20.68-	70	6.89-	61	GLOB UNIF	WV 0 2
2895	LOAD	Z	706 806	20.68-	12	6.89-	10	GLOB UNIF	WV 0 2
2896	LOAD	Y	706 806	27.58-	61	6.89-	53	GLOB UNIF	WV 0 2
2897	LOAD	Z	706 806	27.58-	10	6.89-	09	GLOB UNIF	WV 0 2
2898	LOAD	X	8011001	0.00-	08	4.31-	07	GLOB UNIF	WV 0 2
2899	LOAD	Y	8011001	0.00-	116	4.31-	112	GLOB UNIF	WV 0 2
2900	LOAD	Z	8011001	0.00	09	4.31	08	GLOB UNIF	WV 0 2
2901	LOAD	X	8011001	4.31-	07	4.31-	06	GLOB UNIF	WV 0 2
2902	LOAD	Y	8011001	4.31-	112	4.31-	108	GLOB UNIF	WV 0 2
2903	LOAD	Z	8011001	4.31	08	4.31	06	GLOB UNIF	WV 0 2
2904	LOAD	X	8011001	8.62-	06	4.31-	05	GLOB UNIF	WV 0 2
2905	LOAD	Y	8011001	8.62-	108	4.31-	104	GLOB UNIF	WV 0 2
2906	LOAD	Z	8011001	8.62	06	4.31	08	GLOB UNIF	WV 0 2
2907	LOAD	X	8011001	12.93-	05	4.31-	04	GLOB UNIF	WV 0 2
2908	LOAD	Y	8011001	12.93-	104	4.31-	101	GLOB UNIF	WV 0 2
2909	LOAD	Z	8011001	12.93	08	4.31	08	GLOB UNIF	WV 0 2
2910	LOAD	X	8011001	17.23-	04	4.31-	03	GLOB UNIF	WV 0 2
2911	LOAD	Y	8011001	17.23-	101	4.31-	98	GLOB UNIF	WV 0 2
2912	LOAD	Z	8011001	17.23	08	4.31	06	GLOB UNIF	WV 0 2
2913	LOAD	X	8011001	21.54-	03	4.31-	1	GLOB UNIF	WV 0 2
2914	LOAD	Y	8011001	21.54-	98	4.31-	87	GLOB UNIF	WV 0 2
2915	LOAD	Z	8011001	21.54	06	4.31	07	GLOB UNIF	WV 0 2
2916	LOAD	X	8011001	25.85-	1	4.31-	1	GLOB UNIF	WV 0 2
2917	LOAD	Y	8011001	25.85-	87	4.31-	57	GLOB UNIF	WV 0 2
2918	LOAD	Z	8011001	25.85	07	4.31	05	GLOB UNIF	WV 0 2
2919	LOAD	X	8011001	30.16-	1	4.31		GLOB UNIF	WV 0 2
2920	LOAD	Y	8011001	30.16-	57	4.31-	27	GLOB UNIF	WV 0 2
2921	LOAD	Z	8011001	30.16	05	4.31	02	GLOB UNIF	WV 0 2
2922	LOAD	X	8031003	0.00	08	4.31	07	GLOB UNIF	WV 0 2
2923	LOAD	Y	8031003	0.00-	116	4.31-	112	GLOB UNIF	WV 0 2
2924	LOAD	Z	8031003	0.00	09	4.31	08	GLOB UNIF	WV 0 2
2925	LOAD	X	8031003	4.31	07	4.31	06	GLOB UNIF	WV 0 2
2926	LOAD	Y	8031003	4.31-	112	4.31-	108	GLOB UNIF	WV 0 2
2927	LOAD	Z	8031003	4.31	08	4.31	08	GLOB UNIF	WV 0 2
2928	LOAD	X	8031003	8.62	06	4.31	05	GLOB UNIF	WV 0 2
2929	LOAD	Y	8031003	8.62-	108	4.31-	104	GLOB UNIF	WV 0 2
2930	LOAD	Z	8031003	8.62	06	4.31	08	GLOB UNIF	WV 0 2
2931	LOAD	X	8031003	12.93	05	4.31	04	GLOB UNIF	WV 0 2
2932	LOAD	Y	8031003	12.93-	104	4.31-	101	GLOB UNIF	WV 0 2
2933	LOAD	Z	8031003	12.93	08	4.31	08	GLOB UNIF	WV 0 2
2934	LOAD	X	8031003	17.23	04	4.31	03	GLOB UNIF	WV 0 2
2935	LOAD	Y	8031003	17.23-	101	4.31-	98	GLOB UNIF	WV 0 2
2936	LOAD	Z	8031003	17.23	08	4.31	08	GLOB UNIF	WV 0 2
2937	LOAD	X	8031003	21.54	03	4.31	1	GLOB UNIF	WV 0 2
2938	LOAD	Y	8031003	21.54-	98	4.31-	87	GLOB UNIF	WV 0 2
2939	LOAD	Z	8031003	21.54	06	4.31	07	GLOB UNIF	WV 0 2
2940	LOAD	X	8031003	25.85	1	4.31	1	GLOB UNIF	WV 0 2

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2941  LOAD Y  8051003   25.85-   87   4.31-   57          GLOB UNIF    WV 0 2
  2942  LOAD Z  8051003   25.85    07   4.31    05          GLOB UNIF    WV 0 2
  2943  LOAD X  8051003   30.16     1   4.31                GLOB UNIF    WV 0 2
  2944  LOAD Y  8051003   30.16-   57   4.31-   27          GLOB UNIF    WV 0 2
  2945  LOAD Z  8051003   30.16    05   4.31    02          GLOB UNIF    WV 0 2
  2946  LOAD Y  8061006    0.00-   53   4.92-   48          GLOB UNIF    WV 0 2
  2947  LOAD Z  8061006    0.00-   09   4.92-   08          GLOB UNIF    WV 0 2
  2948  LOAD Y  8061006    4.92-   40   4.92-   43          GLOB UNIF    WV 0 2
  2949  LOAD Z  8061006    4.92-   08   4.92-   07          GLOB UNIF    WV 0 2
  2950  LOAD Y  8061006    9.85-   43   4.92-   38          GLOB UNIF    WV 0 2
  2951  LOAD Z  8061006    9.85-   07   4.92-   06          GLOB UNIF    WV 0 2
  2952  LOAD Y  8061006   14.77-   38   4.92-   35          GLOB UNIF    WV 0 2
  2953  LOAD Z  8061006   14.77-   06   4.92-   06          GLOB UNIF    WV 0 2
  2954  LOAD Y  8061006   19.70-   35   4.92-   31          GLOB UNIF    WV 0 2
  2955  LOAD Z  8061006   19.70-   06   4.92-   05          GLOB UNIF    WV 0 2
  2956  LOAD Y  8061006   24.62-   31   4.79                GLOB UNIF    WV 0 2
  2957  LOAD Y  8061006   29.41          .14     1          GLOB UNIF    WV 0 2
  2958  LOAD Z  8061006   24.62-   05   4.83                GLOB UNIF    WV 0 2
  2959  LOAD Y  8061006   29.54     1   4.92    33          GLOB UNIF    WV 0 2
  2960  LOAD Z  8061006   29.54         4.92    05          GLOB UNIF    WV 0 2
  2961  LOADCH    3
  2962  LOAD Z  101 102    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2963  LOAD Z  102 103    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2964  LOAD Z  103 105    0.00  -.055  14.49  -.055      GLOB UNIF    DL 0 3
  2965  LOAD Z  105 106    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2966  LOAD Z  101 104    0.00  -.055  14.49  -.055      GLOB UNIF    DL 0 3
  2967  LOAD Z  104 106    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2968  LOAD Z  102 104    0.00  -.024  14.49  -.024      GLOB UNIF    DL 0 3
  2969  LOAD Z  102 105    0.00  -.024  14.49  -.024      GLOB UNIF    DL 0 3
  2970  LOAD Z  104 105    0.00  -.024  14.50  -.024      GLOB UNIF    DL 0 3
  2971  LOAD Z  201 202    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2972  LOAD Z  202 203    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2973  LOAD Z  203 205    0.00  -.055  14.49  -.055      GLOB UNIF    DL 0 3
  2974  LOAD Z  205 206    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2975  LOAD Z  201 204    0.00  -.055  14.49  -.055      GLOB UNIF    DL 0 3
  2976  LOAD Z  204 206    0.00  -.055  14.50  -.055      GLOB UNIF    DL 0 3
  2977  LOAD Z  202 204    0.00  -.024  14.49  -.024      GLOB UNIF    DL 0 3
  2978  LOAD Z  202 205    0.00  -.024  14.49  -.024      GLOB UNIF    DL 0 3
  2979  LOAD Z  204 205    0.00  -.024  14.50  -.024      GLOB UNIF    DL 0 3
  2980  LOAD Z  201 303    0.00  -.065  25.47  -.065      GLOB UNIF    DL 0 3
  2981  LOAD Z  201 303   25.47  -.009   7.18  -.009      GLOB UNIF    DL 0 3
  2982  LOAD Z  203 306    0.00  -.065  25.46  -.065      GLOB UNIF    DL 0 3
  2983  LOAD Z  203 306   25.46  -.009   7.19  -.009      GLOB UNIF    DL 0 3
  2984  LOAD Z  206 301    0.00  -.065  25.46  -.065      GLOB UNIF    DL 0 3
  2985  LOAD Z  206 301   25.46  -.019   7.18  -.009      GLOB UNIF    DL 0 3
  2986  LOAD Z  301 403    0.00  -.009  41.66  -.009      GLOB UNIF    DL 0 3
  2987  LOAD Z  106 201    0.00  -.065  32.65  -.055      GLOB UNIF    DL 0 3
  2988  LOAD Z  301 303    0.00  -.009  29.00  -.009      GLOB UNIF    DL 0 3
  2989  LOAD Z  303 306    0.00  -.009  29.00  -.009      GLOB UNIF    DL 0 3
```

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                        1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO.   1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  2990  LOAD 2  501 506   0.00  -.009  29.00  -.009              GLOB UNIF   DL 0 3
  2991  LOAD 2  501 502   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2992  LOAD 2  502 503   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2993  LOAD 2  503 505   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2994  LOAD 2  505 506   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2995  LOAD 2  501 504   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2996  LOAD 2  504 506   0.00  -.013  15.15  -.013              GLOB UNIF   DL 0 3
  2997  LOAD 2  501 507   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  2998  LOAD 2  507 510   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  2999  LOAD 2  503 508   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3000  LOAD 2  508 511   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3001  LOAD 2  505 509   0.00  -.148   2.53  -.148              GLOB UNIF   DL 0 3
  3002  LOAD 2  509 512   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3003  LOAD 2  513 651   0.00   .020  18.00   .020              GLOB UNIF   DL 0 3
  3004  LOAD 2  514 653   0.00   .020  18.00   .020              GLOB UNIF   DL 0 3
  3005  LOAD 2  601 611   0.00  -.049   6.00  -.049              GLOB UNIF   DL 0 3
  3006  LOAD 2  603 613   0.00  -.049   6.00  -.049              GLOB UNIF   DL 0 3
  3007  LOAD 2  651 661   0.00  -.049   5.00  -.049              GLOB UNIF   DL 0 3
  3008  LOAD 2  653 663   0.00  -.049   5.00  -.049              GLOB UNIF   DL 0 3
  3009  LOAD 2  611 612   0.00  -.017  16.01  -.017              GLOB UNIF   DL 0 3
  3010  LOAD 2  612 613   0.00  -.017  16.01  -.017              GLOB UNIF   DL 0 3
  3011  LOAD 2  661 662   0.00  -.017  17.74  -.017              GLOB UNIF   DL 0 3
  3012  LOAD 2  662 663   0.00  -.017  17.74  -.017              GLOB UNIF   DL 0 3
  3013  LOAD 2  611 661   0.00  -.049  12.12  -.049              GLOB UNIF   DL 0 3
  3014  LOAD 2  612 662   0.00  -.049  12.00  -.049              GLOB UNIF   DL 0 3
  3015  LOAD 2  613 663   0.00  -.049  12.12  -.049              GLOB UNIF   DL 0 3
  3016  LOAD 2  501 632   0.00  -.015  20.25  -.015              GLOB UNIF   DL 0 3
  3017  LOAD 2  503 635   0.00  -.015  20.25  -.015              GLOB UNIF   DL 0 3
  3018  LOAD 2  505 634   0.00  -.015  20.24  -.015              GLOB UNIF   DL 0 3
  3019  LOAD 2  632 703   0.00  -.015  21.93  -.015              GLOB UNIF   DL 0 3
  3020  LOAD 2  635 706   0.00  -.015  21.93  -.015              GLOB UNIF   DL 0 3
  3021  LOAD 2  634 701   0.00  -.015  21.94  -.015              GLOB UNIF   DL 0 3
  3022  LOAD 2  701 702   0.00   .007  18.76   .007              GLOB UNIF   DL 0 3
  3023  LOAD 2  702 703   0.00   .007  18.76   .007              GLOB UNIF   DL 0 3
  3024  LOAD 2  703 705   0.00   .007  18.75   .007              GLOB UNIF   DL 0 3
  3025  LOAD 2  705 706   0.00   .007  18.76   .007              GLOB UNIF   DL 0 3
  3026  LOAD 2  701 704   0.00   .007  18.75   .007              GLOB UNIF   DL 0 3
  3027  LOAD 2  704 706   0.00   .007  18.76   .007              GLOB UNIF   DL 0 3
  3028  LOAD 2  701 707   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3029  LOAD 2  707 710   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3030  LOAD 2  703 708   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3031  LOAD 2  708 711   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3032  LOAD 2  706 709   0.00  -.148   2.53  -.148              GLOB UNIF   DL 0 3
  3033  LOAD 2  709 712   0.00  -.148   2.54  -.148              GLOB UNIF   DL 0 3
  3034  LOAD 2  701 806   0.00   .010  54.44   .010              GLOB UNIF   DL 0 3
  3035  LOAD 2  703 801   0.00   .010  54.44   .010              GLOB UNIF   DL 0 3
  3036  LOAD 2  705 803   0.00   .010  54.44   .010              GLOB UNIF   DL 0 3
  3037  LOAD 2  801 802   0.00   .008  23.66   .008              GLOB UNIF   DL 0 3
  3038  LOAD 2  802 803   0.00   .008  23.66   .008              GLOB UNIF   DL 0 3
```

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3-PILE ACPR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    3039  LOAD Z  803 805   0.00   .006  23.66   .006                 GLOB UNIF   DL 0 3
    3040  LOAD Z  805 805   0.00   .006  23.67   .006                 GLOB UNIF   DL 0 3
    3041  LOAD Z  801 804   0.00   .006  23.66   .006                 GLOB UNIF   DL 0 3
    3042  LOAD Z  804 806   0.00   .006  23.67   .006                 GLOB UNIF   DL 0 3
    3043  LOAD Z  801 807   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3044  LOAD Z  807 810   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3045  LOAD Z  803 808   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3046  LOAD Z  808 811   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3047  LOAD Z  806 809   0.00  -.140   2.53  -.140                 GLOB UNIF   DL 0 3
    3048  LOAD Z  809 812   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3049  LOAD Z  8011002   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3050  LOAD Z  8031002   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3051  LOAD Z  8031005   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3052  LOAD Z  8061005   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3053  LOAD Z  8011004   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3054  LOAD Z  8061004   0.00   .006  41.52   .006                 GLOB UNIF   DL 0 3
    3055  LOAD Z 10011002   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3056  LOAD Z 10021003   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3057  LOAD Z 10031005   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3058  LOAD Z 10051006   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3059  LOAD Z 10011004   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3060  LOAD Z 10041006   0.00   .020  20.57   .020                 GLOB UNIF   DL 0 3
    3061  LOAD Z 10011007   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3062  LOAD Z 10071010   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3063  LOAD Z 10031008   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3064  LOAD Z 10081011   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3065  LOAD Z 10061009   0.00  -.140   2.53  -.140                 GLOB UNIF   DL 0 3
    3066  LOAD Z 10091012   0.00  -.140   2.54  -.140                 GLOB UNIF   DL 0 3
    3067  LOAD Z  101 201   0.00  -.310  15.00  -.310                 GLOB UNIF   DL 0 3
    3068  LOAD Z  103 203   0.00  -.310  15.00  -.310                 GLOB UNIF   DL 0 3
    3069  LOAD Z  106 206   0.00  -.310  15.00  -.310                 GLOB UNIF   DL 0 3
    3070  LOAD Z  201 301   0.00  -.310  11.70  -.310                 GLOB UNIF   DL 0 3
    3071  LOAD Z  201 301  11.70   .004   3.30   .004                 GLOB UNIF   DL 0 3
    3072  LOAD Z  203 303   0.00  -.310  11 .0  -.310                 GLOB UNIF   DL 0 3
    3073  LOAD Z  203 303  11.70   .004   3.30   .004                 GLOB UNIF   DL 0 3
    3074  LOAD Z  206 306   0.00  -.310  11.70  -.310                 GLOB UNIF   DL 0 3
    3075  LOAD Z  206 306  11.70   .004   3.30   .004                 GLOB UNIF   DL 0 3
    3076  LOAD Z  301 401   0.00   .004  20.50   .004                 GLOB UNIF   DL 0 3
    3077  LOAD Z  303 403   0.00   .004  20.50   .004                 GLOB UNIF   DL 0 3
    3078  LOAD Z  306 406   0.00   .004  20.50   .004                 GLOB UNIF   DL 0 3
    3079  LOAD Z  401 501   0.00  -.752   4.55  -.752                 GLOB UNIF   DL 0 3
    3080  LOAD Z  403 503   0.00  -.752   4.56  -.752                 GLOB UNIF   DL 0 3
    3081  LOAD Z  406 506   0.00  -.752   4.56  -.752                 GLOB UNIF   DL 0 3
    3082  LOAD Z  501 601   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
    3083  LOAD Z  503 603   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
    3084  LOAD Z  506 606   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
    3085  LOAD Z  601 631   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
    3086  LOAD Z  603 633   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
    3087  LOAD Z  606 636   0.00  -.041   6.08  -.041                 GLOB UNIF   DL 0 3
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 3088  LOAD Z  651 651   0.00   .050   6.08   .050                    GLOB UNIF   DL 0 3
 3089  LOAD Z  653 653   0.00   .050   6.08   .050                    GLOB UNIF   DL 0 3
 3090  LOAD Z  656 656   0.00   .050   6.08   .050                    GLOB UNIF   DL 0 3
 3091  LOAD Z  651 701   0.00   .050   7.10   .050                    GLOB UNIF   DL 0 3
 3092  LOAD Z  653 703   0.00   .050   7.10   .050                    GLOB UNIF   DL 0 3
 3093  LOAD Z  656 706   0.00   .050   7.10   .050                    GLOB UNIF   DL 0 3
 3094  LOAD Z  701 801   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3095  LOAD Z  703 803   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3096  LOAD Z  706 806   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3097  LOAD Z  8011001   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3098  LOAD Z  8031003   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3099  LOAD Z  8061006   0.00   .482  34.47   .482                    GLOB UNIF   DL 0 3
 3100  LOAD Z  401 510   0.00  -.654   4.57  -.654                    GLOB UNIF   DL 0 3
 3101  LOAD Z  403 511   0.00  -.654   4.57  -.654                    GLOB UNIF   DL 0 3
 3102  LOAD Z  406 512   0.00  -.654   4.57  -.654                    GLOB UNIF   DL 0 3
 3103  LOAD Z  510 710   0.00  -.654  25.34  -.654                    GLOB UNIF   DL 0 3
 3104  LOAD Z  511 711   0.00  -.654  25.34  -.654                    GLOB UNIF   DL 0 3
 3105  LOAD Z  512 712   0.00  -.654  25.35  -.654                    GLOB UNIF   DL 0 3
 3106  LOAD Z  710 810   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3107  LOAD Z  711 811   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3108  LOAD Z  712 812   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3109  LOAD Z  8101010   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3110  LOAD Z  8111011   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3111  LOAD Z  8121012   0.00  -.743  34.47  -.743                    GLOB UNIF   DL 0 3
 3112  LOADGEN   4
 3113  LOAD X  401 510   0.00    390                                  GLOB CONC   WN 0 4
 3114  LOAD Y  401 510                               0.00 230476      GLOB MOMT   WN 0 4
 3115  LOAD Y  401 510   0.00    670                                  GLOB CONC   WN 0 4
 3116  LOAD X  401 510                               0.00-409508      GLOB MOMT   WN 0 4
 3117  LOAD X  403 511   0.00    390                                  GLOB CONC   WN 0 4
 3118  LOAD Y  403 511                               0.00 230476      GLOB MOMT   WN 0 4
 3119  LOAD Y  403 511   0.00    670                                  GLOB CONC   WN 0 4
 3120  LOAD X  403 511                               0.00-409508      GLOB MOMT   WN 0 4
 3121  LOAD X  406 512   0.00    390                                  GLOB CONC   WN 0 4
 3122  LOAD Y  406 512                               0.00 230476      GLOB MOMT   WN 0 4
 3123  LOAD Y  406 512   0.00    670                                  GLOB CONC   WN 0 4
 3124  LOAD X  406 512                               0.00-409508      GLOB MOMT   WN 0 4
 3125  LOAD X  201 303  14.95     20   3.54     24                    GLOB UNIF   WV 0 4
 3126  LOAD Y  201 303  14.95     96   3.54    116                    GLOB UNIF   WV 0 4
 3127  LOAD Z  201 303  14.95-    38   3.54-    46                    GLOB UNIF   WV 0 4
 3128  LOAD X  201 303  18.49     24   3.54     27                    GLOB UNIF   WV 0 4
 3129  LOAD Y  201 303  18.49    116   3.54    130                    GLOB UNIF   WV 0 4
 3130  LOAD Z  201 303  18.49-    46   3.54-    53                    GLOB UNIF   WV 0 4
 3131  LOAD X  201 303  22.03     27   3.54     26                    GLOB UNIF   WV 0 4
 3132  LOAD Y  201 303  22.03    130   3.54    132                    GLOB UNIF   WV 0 4
 3133  LOAD Z  201 303  22.03-    53   3.54-    55                    GLOB UNIF   WV 0 4
 3134  LOAD X  201 303  25.57     26   3.54     29                    GLOB UNIF   WV 0 4
 3135  LOAD Y  201 303  25.57    132   3.54    135                    GLOB UNIF   WV 0 4
 3136  LOAD Z  201 303  25.57-    55   3.54-    55                    GLOB UNIF   WV 0 4
```

STRAN INPUT DATA

3-PILE ACMN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
3137	LOAD	X	201	303	29.11	29	3.54	29	GLOB UNIF	WV	0 4
3138	LOAD	Y	201	303	29.11	133	3.54	133	GLOB UNIF	WV	0 4
3139	LOAD	Z	201	303	29.11-	55	3.54-	56	GLOB UNIF	WV	0 4
3140	LOAD	X	206	301	22.63		.98	141	GLOB UNIF	WV	0 4
3141	LOAD	Y	206	301	22.63		.98	117	GLOB UNIF	WV	0 4
3142	LOAD	Z	206	301	22.63		.98-	60	GLOB UNIF	WV	0 4
3143	LOAD	X	206	301	23.61	141	.98		GLOB UNIF	WV	0 4
3144	LOAD	Y	206	301	23.61	117	.98		GLOB UNIF	WV	0 4
3145	LOAD	Z	206	301	23.61-	60	.98		GLOB UNIF	WV	0 4
3146	LOAD	X	206	301	25.78		.98	154	GLOB UNIF	WV	0 4
3147	LOAD	Y	206	301	25.78		.98	131	GLOB UNIF	WV	0 4
3148	LOAD	Z	206	301	25.78		.98-	71	GLOB UNIF	WV	0 4
3149	LOAD	X	206	301	26.76	154	.98	158	GLOB UNIF	WV	0 4
3150	LOAD	Y	206	301	26.76	131	.98	136	GLOB UNIF	WV	0 4
3151	LOAD	Z	206	301	26.76-	71	.98-	75	GLOB UNIF	WV	0 4
3152	LOAD	X	206	301	27.74	158	.98	162	GLOB UNIF	WV	0 4
3153	LOAD	Y	206	301	27.74	136	.98	140	GLOB UNIF	WV	0 4
3154	LOAD	Z	206	301	27.74-	75	.98-	78	GLOB UNIF	WV	0 4
3155	LOAD	X	206	301	28.72	162	.98	166	GLOB UNIF	WV	0 4
3156	LOAD	Y	206	301	28.72	140	.98	145	GLOB UNIF	WV	0 4
3157	LOAD	Z	206	301	28.72-	78	.98-	82	GLOB UNIF	WV	0 4
3158	LOAD	X	206	301	29.70	166	.98	169	GLOB UNIF	WV	0 4
3159	LOAD	Y	206	301	29.70	145	.98	149	GLOB UNIF	WV	0 4
3160	LOAD	Z	206	301	29.70-	82	.98-	85	GLOB UNIF	WV	0 4
3161	LOAD	X	206	301	30.68	169	.98	173	GLOB UNIF	WV	0 4
3162	LOAD	Y	206	301	30.68	149	.98	153	GLOB UNIF	WV	0 4
3163	LOAD	Z	206	301	30.68-	85	.98-	89	GLOB UNIF	WV	0 4
3164	LOAD	X	206	301	31.66	173	.98	176	GLOB UNIF	WV	0 4
3165	LOAD	Y	206	301	31.66	153	.98	157	GLOB UNIF	WV	0 4
3166	LOAD	Z	206	301	31.66-	89	.98-	92	GLOB UNIF	WV	0 4
3167	LOAD	X	301	403	0.00	50	6.13	61	GLOB UNIF	WV	0 4
3168	LOAD	Y	301	403	0.00	145	6.13	172	GLOB UNIF	WV	0 4
3169	LOAD	Z	301	403	0.00-	51	6.13-	62	GLOB UNIF	WV	0 4
3170	LOAD	X	301	403	6.13	61	6.13	62	GLOB UNIF	WV	0 4
3171	LOAD	Y	301	403	6.13	172	6.13	172	GLOB UNIF	WV	0 4
3172	LOAD	Z	301	403	6.13-	62	6.13-	63	GLOB UNIF	WV	0 4
3173	LOAD	X	301	403	16.26	62	6.13	59	GLOB UNIF	WV	0 4
3174	LOAD	Y	301	403	16.26	172	6.13	159	GLOB UNIF	WV	0 4
3175	LOAD	Z	301	403	16.26-	63	6.13-	60	GLOB UNIF	WV	0 4
3176	LOAD	X	301	403	24.40	59	6.13	46	GLOB UNIF	WV	0 4
3177	LOAD	Y	301	403	24.40	159	6.13	122	GLOB UNIF	WV	0 4
3178	LOAD	Z	301	403	24.40-	60	6.13-	49	GLOB UNIF	WV	0 4
3179	LOAD	X	301	403	32.53	46	6.13	39	GLOB UNIF	WV	0 4
3180	LOAD	Y	301	403	32.53	122	6.13	95	GLOB UNIF	WV	0 4
3181	LOAD	Z	301	403	32.53-	49	6.13-	40	GLOB UNIF	WV	0 4
3182	LOAD	Y	301	303	0.00	116	5.60	121	GLOB UNIF	WV	0 4
3183	LOAD	Z	301	303	0.00-	12	5.60-	15	GLOB UNIF	WV	0 4
3184	LOAD	Y	301	303	5.60	121	5.60	124	GLOB UNIF	WV	0 4
3185	LOAD	Z	301	303	5.60-	15	5.60-	17	GLOB UNIF	WV	0 4

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 3186  LOAD Y  501 503   11.60    124   5.80    127         GLOB UNIF   NV 0 4
 3187  LOAD Z  501 503   11.60-    17   5.80-    20         GLOB UNIF   NV 0 4
 3188  LOAD Y  501 503   17.40    127   5.80    123         GLOB UNIF   NV 0 4
 3189  LOAD Z  501 503   17.40-    20   5.80-    21         GLOB UNIF   NV 0 4
 3190  LOAD Y  501 503   23.20    125   5.80    112         GLOB UNIF   NV 0 4
 3191  LOAD Z  501 503   23.20-    21   5.80-    22         GLOB UNIF   NV 0 4
 3192  LOAD Z  505 506    0.00-    22   4.99-    20         GLOB UNIF   NV 0 4
 3193  LOAD Z  505 506    4.99-    20   4.99-    16         GLOB UNIF   NV 0 4
 3194  LOAD Z  505 506    9.98-    16   4.99-    11         GLOB UNIF   NV 0 4
 3195  LOAD Z  505 506   14.97-    11   4.99-     1         GLOB UNIF   NV 0 4
 3196  LOAD Z  505 506   19.96-     1    .04                GLOB UNIF   NV 0 4
 3197  LOAD Z  505 506   20.00          4.55     09         GLOB UNIF   NV 0 4
 3198  LOAD X  501 506    0.00    102   2.39     98         GLOB UNIF   NV 0 4
 3199  LOAD Y  501 506    0.00     59   2.39     57         GLOB UNIF   NV 0 4
 3200  LOAD Z  501 506    0.00-    12   2.39-    10         GLOB UNIF   NV 0 4
 3201  LOAD X  501 506    2.39     96   2.39     94         GLOB UNIF   NV 0 4
 3202  LOAD Y  501 506    2.39     57   2.39     55         GLOB UNIF   NV 0 4
 3203  LOAD Z  501 506    2.39-    10   2.39-    07         GLOB UNIF   NV 0 4
 3204  LOAD X  501 506    4.78     94   2.39     91         GLOB UNIF   NV 0 4
 3205  LOAD Y  501 506    4.78     55   2.39     52         GLOB UNIF   NV 0 4
 3206  LOAD Z  501 506    4.78-    07   2.39-    05         GLOB UNIF   NV 0 4
 3207  LOAD X  501 506    7.17     91   2.39     87         GLOB UNIF   NV 0 4
 3208  LOAD Y  501 506    7.17     52   2.39     50         GLOB UNIF   NV 0 4
 3209  LOAD Z  501 506    7.17-    05   2.39-    03         GLOB UNIF   NV 0 4
 3210  LOAD X  501 506    9.55     87   2.39     85         GLOB UNIF   NV 0 4
 3211  LOAD Y  501 506    9.55     50   2.39     48         GLOB UNIF   NV 0 4
 3212  LOAD Z  501 506    9.55-    03   2.39                GLOB UNIF   NV 0 4
 3213  LOAD X  501 506   11.94     85   2.39     79         GLOB UNIF   NV 0 4
 3214  LOAD Y  501 506   11.94     48   2.39     46         GLOB UNIF   NV 0 4
 3215  LOAD Z  501 506   12.15          2.16     02         GLOB UNIF   NV 0 4
 3216  LOAD X  501 506   14.33     79   2.39     75         GLOB UNIF   NV 0 4
 3217  LOAD Y  501 506   14.33     46   2.39     43         GLOB UNIF   NV 0 4
 3218  LOAD Z  501 506   14.33     02   2.39     04         GLOB UNIF   NV 0 4
 3219  LOAD X  501 506   16.72     75   2.39     71         GLOB UNIF   NV 0 4
 3220  LOAD Y  501 506   16.72     43   2.39     41         GLOB UNIF   NV 0 4
 3221  LOAD Z  501 506   16.72     04   2.39     07         GLOB UNIF   NV 0 4
 3222  LOAD X  501 506   19.11     71   2.39     59         GLOB UNIF   NV 0 4
 3223  LOAD Y  501 506   19.11     41   2.39     34         GLOB UNIF   NV 0 4
 3224  LOAD Z  501 506   19.11     07   2.39     09         GLOB UNIF   NV 0 4
 3225  LOAD X  501 506   21.50     59   2.39                GLOB UNIF   NV 0 4
 3226  LOAD Y  501 506   21.50     34   2.39                GLOB UNIF   NV 0 4
 3227  LOAD Z  501 506   21.50     09   2.39                GLOB UNIF   NV 0 4
 3228  LOAD Y  501 502    0.00     61   3.03     61         GLOB UNIF   NV 0 4
 3229  LOAD Z  501 502    0.00-    09   3.03-    09         GLOB UNIF   NV 0 4
 3230  LOAD Y  501 502    3.03     61   3.03     60         GLOB UNIF   NV 0 4
 3231  LOAD Z  501 502    3.03-    09   3.03-    09         GLOB UNIF   NV 0 4
 3232  LOAD Y  501 502    6.06     60   3.03     60         GLOB UNIF   NV 0 4
 3233  LOAD Z  501 502    6.06-    09   3.03-    09         GLOB UNIF   NV 0 4
 3234  LOAD Y  501 502    9.09     60   3.03     60         GLOB UNIF   NV 0 4
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3235	LOAD	Z	501	502	9.09-	09	3.03-	10	GLOB	UNIF	WV	0	4
3236	LOAD	Y	501	502	12.12	60	3.03	60	GLOB	UNIF	WV	0	4
3237	LOAD	Z	501	502	12.12-	10	3.03-	10	GLOB	UNIF	WV	0	4
3238	LOAD	Y	502	503	0.00	60	3.03	60	GLOB	UNIF	WV	0	4
3239	LOAD	Z	502	503	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	4
3240	LOAD	Y	502	503	3.03	60	3.03	59	GLOB	UNIF	WV	0	4
3241	LOAD	Z	502	503	3.03-	10	3.03-	10	GLOB	UNIF	WV	0	4
3242	LOAD	Y	502	503	6.06	59	3.03	58	GLOB	UNIF	WV	0	4
3243	LOAD	Z	502	503	6.06-	10	3.03-	10	GLOB	UNIF	WV	0	4
3244	LOAD	Y	502	503	9.09	58	3.03	58	GLOB	UNIF	WV	0	4
3245	LOAD	Z	502	503	9.09-	10	3.03-	10	GLOB	UNIF	WV	0	4
3246	LOAD	Y	502	503	12.12	58	3.03	57	GLOB	UNIF	WV	0	4
3247	LOAD	Z	502	503	12.12-	10	3.03-	10	GLOB	UNIF	WV	0	4
3248	LOAD	Z	503	505	0.00-	10	3.03-	10	GLOB	UNIF	WV	0	4
3249	LOAD	Z	503	505	3.03-	10	3.03-	10	GLOB	UNIF	WV	0	4
3250	LOAD	Z	503	505	6.06-	10	3.03-	10	GLOB	UNIF	WV	0	4
3251	LOAD	Z	503	505	9.09-	10	3.03-	09	GLOB	UNIF	WV	0	4
3252	LOAD	Z	503	505	12.12-	09	3.03-	09	GLOB	UNIF	WV	0	4
3253	LOAD	Z	505	506	0.00-	09	3.03-	08	GLOB	UNIF	WV	0	4
3254	LOAD	Z	505	506	3.03-	08	3.03-	07	GLOB	UNIF	WV	0	4
3255	LOAD	Z	505	506	6.06-	07	3.03-	06	GLOB	UNIF	WV	0	4
3256	LOAD	Z	505	506	9.09-	06	3.03-	05	GLOB	UNIF	WV	0	4
3257	LOAD	Z	505	506	12.12-	05	3.03-	05	GLOB	UNIF	WV	0	4
3258	LOAD	X	501	504	0.00	53	3.03	53	GLOB	UNIF	WV	0	4
3259	LOAD	Y	501	504	0.00	30	3.03	30	GLOB	UNIF	WV	0	4
3260	LOAD	Z	501	504	0.00-	09	3.03-	08	GLOB	UNIF	WV	0	4
3261	LOAD	X	501	504	3.03	53	3.03	52	GLOB	UNIF	WV	0	4
3262	LOAD	Y	501	504	3.03	30	3.03	30	GLOB	UNIF	WV	0	4
3263	LOAD	Z	501	504	3.03-	08	3.03-	08	GLOB	UNIF	WV	0	4
3264	LOAD	X	501	504	6.06	52	3.03	52	GLOB	UNIF	WV	0	4
3265	LOAD	Y	501	504	6.06	30	3.03	30	GLOB	UNIF	WV	0	4
3266	LOAD	Z	501	504	6.06-	08	3.03-	07	GLOB	UNIF	WV	0	4
3267	LOAD	X	501	504	9.09	52	3.03	52	GLOB	UNIF	WV	0	4
3268	LOAD	Y	501	504	9.09	30	3.03	30	GLOB	UNIF	WV	0	4
3269	LOAD	Z	501	504	9.09-	07	3.03-	07	GLOB	UNIF	WV	0	4
3270	LOAD	X	501	504	12.12	52	3.03	52	GLOB	UNIF	WV	0	4
3271	LOAD	Y	501	504	12.12	30	3.03	30	GLOB	UNIF	WV	0	4
3272	LOAD	Z	501	504	12.12-	07	3.03-	06	GLOB	UNIF	WV	0	4
3273	LOAD	X	504	506	0.00	52	3.03	52	GLOB	UNIF	WV	0	4
3274	LOAD	Y	504	506	0.00	30	3.03	30	GLOB	UNIF	WV	0	4
3275	LOAD	Z	504	506	0.00-	06	3.03-	06	GLOB	UNIF	WV	0	4
3276	LOAD	X	504	506	3.03	52	3.03	51	GLOB	UNIF	WV	0	4
3277	LOAD	Y	504	506	3.03	30	3.03	30	GLOB	UNIF	WV	0	4
3278	LOAD	Z	504	506	3.03-	06	3.03-	05	GLOB	UNIF	WV	0	4
3279	LOAD	X	504	506	6.06	51	3.03	51	GLOB	UNIF	WV	0	4
3280	LOAD	Y	504	506	6.06	30	3.03	29	GLOB	UNIF	WV	0	4
3281	LOAD	Z	504	506	6.06-	05	3.03-	05	GLOB	UNIF	WV	0	4
3282	LOAD	X	504	506	9.09	51	3.03	50	GLOB	UNIF	WV	0	4
3283	LOAD	Y	504	506	9.09	29	3.03	29	GLOB	UNIF	WV	0	4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3284	LOAD	Z	504	506	9.09-	05	3.03-	04	GLOB	UNIF	WV	0	4
3285	LOAD	X	504	506	12.12	50	3.03	50	GLOB	UNIF	WV	0	4
3286	LOAD	Y	504	506	12.12	29	3.03	29	GLOB	UNIF	WV	0	4
3287	LOAD	Z	504	506	12.12-	04	3.03-	03	GLOB	UNIF	WV	0	4
3288	LOAD	Z	502	504	0.00-	04	3.03-	04	GLOB	UNIF	WV	0	4
3289	LOAD	Z	502	504	3.03-	04	3.03-	04	GLOB	UNIF	WV	0	4
3290	LOAD	Z	502	504	6.06-	04	3.03-	03	GLOB	UNIF	WV	0	4
3291	LOAD	Z	502	504	9.09-	03	3.03-	03	GLOB	UNIF	WV	0	4
3292	LOAD	Z	502	504	12.12-	03	3.03-	02	GLOB	UNIF	WV	0	4
3293	LOAD	X	502	505	0.00	35	3.03	35	GLOB	UNIF	WV	0	4
3294	LOAD	Y	502	505	0.00	20	3.03	20	GLOB	UNIF	WV	0	4
3295	LOAD	Z	502	505	0.00-	04	3.03-	04	GLOB	UNIF	WV	0	4
3296	LOAD	X	502	505	3.03	35	3.03	35	GLOB	UNIF	WV	0	4
3297	LOAD	Y	502	505	3.03	20	3.03	20	GLOB	UNIF	WV	0	4
3298	LOAD	Z	502	505	3.03-	04	3.03-	04	GLOB	UNIF	WV	0	4
3299	LOAD	X	502	505	6.06	35	3.03	35	GLOB	UNIF	WV	0	4
3300	LOAD	Y	502	505	6.06	20	3.03	20	GLOB	UNIF	WV	0	4
3301	LOAD	Z	502	505	6.06-	04	3.03-	04	GLOB	UNIF	WV	0	4
3302	LOAD	X	502	505	9.09	35	3.03	35	GLOB	UNIF	WV	0	4
3303	LOAD	Y	502	505	9.09	20	3.03	20	GLOB	UNIF	WV	0	4
3304	LOAD	Z	502	505	9.09-	04	3.03-	04	GLOB	UNIF	WV	0	4
3305	LOAD	X	502	505	12.12	35	3.03	35	GLOB	UNIF	WV	0	4
3306	LOAD	Y	502	505	12.12	20	3.03	20	GLOB	UNIF	WV	0	4
3307	LOAD	Z	502	505	12.12-	04	3.03-	04	GLOB	UNIF	WV	0	4
3308	LOAD	Y	504	505	0.00	39	3.03	39	GLOB	UNIF	WV	0	4
3309	LOAD	Z	504	505	0.00-	02	3.03-	03	GLOB	UNIF	WV	0	4
3310	LOAD	Y	504	505	3.03	39	3.03	40	GLOB	UNIF	WV	0	4
3311	LOAD	Z	504	505	3.03-	03	3.03-	03	GLOB	UNIF	WV	0	4
3312	LOAD	Y	504	505	6.06	40	3.03	40	GLOB	UNIF	WV	0	4
3313	LOAD	Z	504	505	6.06-	03	3.03-	03	GLOB	UNIF	WV	0	4
3314	LOAD	Y	504	505	9.10	40	3.03	40	GLOB	UNIF	WV	0	4
3315	LOAD	Z	504	505	9.10-	03	3.03-	03	GLOB	UNIF	WV	0	4
3316	LOAD	Y	504	505	12.13	40	3.03	40	GLOB	UNIF	WV	0	4
3317	LOAD	Z	504	505	12.13-	03	3.03-	04	GLOB	UNIF	WV	0	4
3318	LOAD	X	501	513	0.00	26	.00	26	GLOB	UNIF	WV	0	4
3319	LOAD	Y	501	513	0.00	45	.00	45	GLOB	UNIF	WV	0	4
3320	LOAD	Z	501	513	0.00-	05	.00-	05	GLOB	UNIF	WV	0	4
3321	LOAD	X	501	513	.00	26	.00	26	GLOB	UNIF	WV	0	4
3322	LOAD	Y	501	513	.00	45	.00	45	GLOB	UNIF	WV	0	4
3323	LOAD	Z	501	513	.00-	05	.00-	05	GLOB	UNIF	WV	0	4
3324	LOAD	X	501	513	1.20	26	.00	26	GLOB	UNIF	WV	0	4
3325	LOAD	Y	501	513	1.20	45	.00	45	GLOB	UNIF	WV	0	4
3326	LOAD	Z	501	513	1.20-	05	.00-	05	GLOB	UNIF	WV	0	4
3327	LOAD	X	501	513	1.80	26	.00	26	GLOB	UNIF	WV	0	4
3328	LOAD	Y	501	513	1.80	45	.00	45	GLOB	UNIF	WV	0	4
3329	LOAD	Z	501	513	1.80-	05	.00-	05	GLOB	UNIF	WV	0	4
3330	LOAD	X	501	513	2.39	26	.00	26	GLOB	UNIF	WV	0	4
3331	LOAD	Y	501	513	2.39	45	.00	45	GLOB	UNIF	WV	0	4
3332	LOAD	Z	501	513	2.39-	05	.00-	05	GLOB	UNIF	WV	0	4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3533	LOAD	X	505	514	0.00-	13	.60-	12	GLOB	UNIF	WV	0	4
3534	LOAD	Y	505	514	0.00	21	.60	21	GLOB	UNIF	WV	0	4
3535	LOAD	Z	505	514	0.00-	06	.60-	06	GLOB	UNIF	WV	0	4
3536	LOAD	X	505	514	.60-	12	.60-	12	GLOB	UNIF	WV	0	4
3537	LOAD	Y	505	514	.60	21	.60	21	GLOB	UNIF	WV	0	4
3538	LOAD	Z	505	514	.60-	06	.60-	06	GLOB	UNIF	WV	0	4
3539	LOAD	X	505	514	1.20-	12	.60-	12	GLOB	UNIF	WV	0	4
3540	LOAD	Y	505	514	1.20	21	.60	21	GLOB	UNIF	WV	0	4
3541	LOAD	Z	505	514	1.20-	06	.60-	06	GLOB	UNIF	WV	0	4
3542	LOAD	X	505	514	1.80-	12	.60-	12	GLOB	UNIF	WV	0	4
3543	LOAD	Y	505	514	1.80	21	.60	21	GLOB	UNIF	WV	0	4
3544	LOAD	Z	505	514	1.80-	06	.60-	06	GLOB	UNIF	WV	0	4
3545	LOAD	X	505	514	2.39-	12	.60-	12	GLOB	UNIF	WV	0	4
3546	LOAD	Y	505	514	2.39	21	.60	21	GLOB	UNIF	WV	0	4
3547	LOAD	Z	505	514	2.39-	06	.60-	06	GLOB	UNIF	WV	0	4
3548	LOAD	X	513	651	0.00	94	3.60	86	GLOB	UNIF	WV	0	4
3549	LOAD	Y	513	651	0.00	163	3.60	149	GLOB	UNIF	WV	0	4
3550	LOAD	X	513	651	3.60	86	3.60	80	GLOB	UNIF	WV	0	4
3551	LOAD	Y	513	651	3.60	149	3.60	138	GLOB	UNIF	WV	0	4
3552	LOAD	X	513	651	7.20	80	3.60	74	GLOB	UNIF	WV	0	4
3553	LOAD	Y	513	651	7.20	138	3.60	127	GLOB	UNIF	WV	0	4
3554	LOAD	X	513	651	10.80	74	3.60	68	GLOB	UNIF	WV	0	4
3555	LOAD	Y	513	651	10.80	127	3.60	118	GLOB	UNIF	WV	0	4
3556	LOAD	X	513	651	14.40	68	3.60	64	GLOB	UNIF	WV	0	4
3557	LOAD	Y	513	651	14.40	118	3.60	111	GLOB	UNIF	WV	0	4
3558	LOAD	X	514	653	0.00	76	3.60	70	GLOB	UNIF	WV	0	4
3559	LOAD	Y	514	653	0.00	132	3.60	121	GLOB	UNIF	WV	0	4
3560	LOAD	X	514	653	3.60	70	3.60	65	GLOB	UNIF	WV	0	4
3561	LOAD	Y	514	653	3.60	121	3.60	113	GLOB	UNIF	WV	0	4
3562	LOAD	X	514	653	7.20	65	3.60	60	GLOB	UNIF	WV	0	4
3563	LOAD	Y	514	653	7.20	113	3.60	104	GLOB	UNIF	WV	0	4
3564	LOAD	X	514	653	10.80	60	3.60	56	GLOB	UNIF	WV	0	4
3565	LOAD	Y	514	653	10.80	104	3.60	97	GLOB	UNIF	WV	0	4
3566	LOAD	X	514	653	14.40	56	3.60	52	GLOB	UNIF	WV	0	4
3567	LOAD	Y	514	653	14.40	97	3.60	91	GLOB	UNIF	WV	0	4
3568	LOAD	X	601	611	0.00	27	1.20	27	GLOB	UNIF	WV	0	4
3569	LOAD	Z	601	611	0.00-	06	1.20-	06	GLOB	UNIF	WV	0	4
3570	LOAD	X	601	611	1.20	27	1.20	26	GLOB	UNIF	WV	0	4
3571	LOAD	Z	601	611	1.20-	06	1.20-	06	GLOB	UNIF	WV	0	4
3572	LOAD	X	601	611	2.40	26	1.20	26	GLOB	UNIF	WV	0	4
3573	LOAD	Z	601	611	2.40-	06	1.20-	06	GLOB	UNIF	WV	0	4
3574	LOAD	X	601	611	3.60	26	1.20	26	GLOB	UNIF	WV	0	4
3575	LOAD	Z	601	611	3.60-	06	1.20-	07	GLOB	UNIF	WV	0	4
3576	LOAD	X	601	611	4.80	26	1.20	26	GLOB	UNIF	WV	0	4
3577	LOAD	Z	601	611	4.80-	07	1.20-	07	GLOB	UNIF	WV	0	4
3578	LOAD	X	603	613	0.00	25	1.20	25	GLOB	UNIF	WV	0	4
3579	LOAD	Z	603	613	0.00-	07	1.20-	07	GLOB	UNIF	WV	0	4
3580	LOAD	X	603	613	1.20	25	1.20	25	GLOB	UNIF	WV	0	4
3581	LOAD	Z	603	613	1.20-	07	1.20-	07	GLOB	UNIF	WV	0	4

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0											
3382	LOAD	X	603	613	2.40	25	1.20	25	GLOB	UNIF	WV	0 4
3383	LOAD	Z	603	613	2.40-	07	1.20-	07	GLOB	UNIF	WV	0 4
3384	LOAD	X	603	613	3.60	25	1.20	24	GLOB	UNIF	WV	0 4
3385	LOAD	Z	603	613	3.60-	07	1.20-	07	GLOB	UNIF	WV	0 4
3386	LOAD	X	603	613	4.80	24	1.20	24	GLOB	UNIF	WV	0 4
3387	LOAD	Z	603	613	4.80-	07	1.20-	07	GLOB	UNIF	WV	0 4
3388	LOAD	X	651	661	0.00	25	1.00	25	GLOB	UNIF	WV	0 4
3389	LOAD	Z	651	661	0.00-	02	1.00-	02	GLOB	UNIF	WV	0 4
3390	LOAD	X	651	661	1.00	25	1.00	25	GLOB	UNIF	WV	0 4
3391	LOAD	Z	651	661	1.00-	02	1.00-	02	GLOB	UNIF	WV	0 4
3392	LOAD	X	651	661	2.00	25	1.00	25	GLOB	UNIF	WV	0 4
3393	LOAD	Z	651	661	2.00-	02	1.00-	02	GLOB	UNIF	WV	0 4
3394	LOAD	X	651	661	3.00	25	1.00	25	GLOB	UNIF	WV	0 4
3395	LOAD	Z	651	661	3.00-	02	1.00-	02	GLOB	UNIF	WV	0 4
3396	LOAD	X	651	661	4.00	25	1.00	25	GLOB	UNIF	WV	0 4
3397	LOAD	Z	651	661	4.00-	02	1.00-	02	GLOB	UNIF	WV	0 4
3398	LOAD	X	653	663	0.00	25	1.00	25	GLOB	UNIF	WV	0 4
3399	LOAD	Z	653	663	0.00-	02	1.00-	03	GLOB	UNIF	WV	0 4
3400	LOAD	X	653	663	1.00	25	1.00	25	GLOB	UNIF	WV	0 4
3401	LOAD	Z	653	663	1.00-	03	1.00-	03	GLOB	UNIF	WV	0 4
3402	LOAD	X	653	663	2.00	25	1.00	25	GLOB	UNIF	WV	0 4
3403	LOAD	Z	653	663	2.00-	03	1.00-	03	GLOB	UNIF	WV	0 4
3404	LOAD	X	653	663	3.00	25	1.00	25	GLOB	UNIF	WV	0 4
3405	LOAD	Z	653	663	3.00-	03	1.00-	03	GLOB	UNIF	WV	0 4
3406	LOAD	X	653	663	4.00	25	1.00	24	GLOB	UNIF	WV	0 4
3407	LOAD	Z	653	663	4.00-	03	1.00-	03	GLOB	UNIF	WV	0 4
3408	LOAD	Y	611	612	0.00	39	3.20	39	GLOB	UNIF	WV	0 4
3409	LOAD	Z	611	612	0.00-	05	3.20-	05	GLOB	UNIF	WV	0 4
3410	LOAD	Y	611	612	3.20	39	3.20	39	GLOB	UNIF	WV	0 4
3411	LOAD	Z	611	612	3.20-	05	3.20-	05	GLOB	UNIF	WV	0 4
3412	LOAD	Y	611	612	6.40	39	3.20	39	GLOB	UNIF	WV	0 4
3413	LOAD	Z	611	612	6.40-	05	3.20-	05	GLOB	UNIF	WV	0 4
3414	LOAD	Y	611	612	9.61	39	3.20	38	GLOB	UNIF	WV	0 4
3415	LOAD	Z	611	612	9.61-	05	3.20-	05	GLOB	UNIF	WV	0 4
3416	LOAD	Y	611	612	12.01	38	3.20	38	GLOB	UNIF	WV	0 4
3417	LOAD	Z	611	612	12.01-	05	3.20-	05	GLOB	UNIF	WV	0 4
3418	LOAD	Y	612	613	0.00	38	3.20	38	GLOB	UNIF	WV	0 4
3419	LOAD	Z	612	613	0.00-	05	3.20-	05	GLOB	UNIF	WV	0 4
3420	LOAD	Y	612	613	3.20	38	3.20	37	GLOB	UNIF	WV	0 4
3421	LOAD	Z	612	613	3.20-	05	3.20-	05	GLOB	UNIF	WV	0 4
3422	LOAD	Y	612	613	6.40	37	3.20	37	GLOB	UNIF	WV	0 4
3423	LOAD	Z	612	613	6.40-	05	3.20-	05	GLOB	UNIF	WV	0 4
3424	LOAD	Y	612	613	9.61	37	3.20	37	GLOB	UNIF	WV	0 4
3425	LOAD	Z	612	613	9.61-	05	3.20-	05	GLOB	UNIF	WV	0 4
3426	LOAD	Y	612	613	12.01	37	3.20	38	GLOB	UNIF	WV	0 4
3427	LOAD	Z	612	613	12.01-	05	3.20-	05	GLOB	UNIF	WV	0 4
3428	LOAD	Y	601	602	0.00	66	3.55	66	GLOB	UNIF	WV	0 4
3429	LOAD	Z	601	602	0.00-	05	3.55-	05	GLOB	UNIF	WV	0 4
3430	LOAD	Y	601	602	3.55	66	3.55	66	GLOB	UNIF	WV	0 4

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

3431	LOAD	Z	001	002	3.55-	05	3.55-	05	GLOB	UNIF	WV 0	4
3432	LOAD	Y	001	002	7.10	68	3.55	68	GLOB	UNIF	WV 0	4
3433	LOAD	Z	001	002	7.10-	05	3.55-	05	GLOB	UNIF	WV 0	4
3434	LOAD	Y	001	002	10.64	68	3.55	67	GLOB	UNIF	WV 0	4
3435	LOAD	Z	001	002	10.64-	05	3.55-	05	GLOB	UNIF	WV 0	4
3436	LOAD	Y	001	002	14.19	67	3.55	67	GLOB	UNIF	WV 0	4
3437	LOAD	Z	001	002	14.19-	05	3.55-	05	GLOB	UNIF	WV 0	4
3438	LOAD	Y	002	003	0.00	67	3.55	66	GLOB	UNIF	WV 0	4
3439	LOAD	Z	002	003	0.00-	05	3.55-	05	GLOB	UNIF	WV 0	4
3440	LOAD	Y	002	003	3.55	66	3.55	66	GLOB	UNIF	WV 0	4
3441	LOAD	Z	002	003	3.55-	05	3.55-	05	GLOB	UNIF	WV 0	4
3442	LOAD	Y	002	003	7.10	66	3.55	65	GLOB	UNIF	WV 0	4
3443	LOAD	Z	002	003	7.10-	05	3.55-	05	GLOB	UNIF	WV 0	4
3444	LOAD	Y	002	003	10.64	65	3.55	65	GLOB	UNIF	WV 0	4
3445	LOAD	Z	002	003	10.64-	05	3.55-	06	GLOB	UNIF	WV 0	4
3446	LOAD	Y	002	003	14.19	65	3.55	64	GLOB	UNIF	WV 0	4
3447	LOAD	Z	002	003	14.19-	06	3.55-	06	GLOB	UNIF	WV 0	4
3448	LOAD	X	011	001	0.00	52	2.42	50	GLOB	UNIF	WV 0	4
3449	LOAD	Y	011	001	0.00	100	2.42	95	GLOB	UNIF	WV 0	4
3450	LOAD	Z	011	001	0.00	07	2.42	07	GLOB	UNIF	WV 0	4
3451	LOAD	X	011	001	2.42	50	2.42	47	GLOB	UNIF	WV 0	4
3452	LOAD	Y	011	001	2.42	95	2.42	90	GLOB	UNIF	WV 0	4
3453	LOAD	Z	011	001	2.42	07	2.42	07	GLOB	UNIF	WV 0	4
3454	LOAD	X	011	001	4.85	47	2.42	45	GLOB	UNIF	WV 0	4
3455	LOAD	Y	011	001	4.85	90	2.42	86	GLOB	UNIF	WV 0	4
3456	LOAD	Z	011	001	4.85	07	2.42	06	GLOB	UNIF	WV 0	4
3457	LOAD	X	011	001	7.27	45	2.42	43	GLOB	UNIF	WV 0	4
3458	LOAD	Y	011	001	7.27	86	2.42	82	GLOB	UNIF	WV 0	4
3459	LOAD	Z	011	001	7.27	06	2.42	06	GLOB	UNIF	WV 0	4
3460	LOAD	X	011	001	9.70	43	2.42	41	GLOB	UNIF	WV 0	4
3461	LOAD	Y	011	001	9.70	82	2.42	79	GLOB	UNIF	WV 0	4
3462	LOAD	Z	011	001	9.70	06	2.42	06	GLOB	UNIF	WV 0	4
3463	LOAD	X	012	002	0.00	38	2.40	35	GLOB	UNIF	WV 0	4
3464	LOAD	Y	012	002	0.00	63	2.40	60	GLOB	UNIF	WV 0	4
3465	LOAD	X	012	002	2.40	35	2.40	33	GLOB	UNIF	WV 0	4
3466	LOAD	Y	012	002	2.40	60	2.40	57	GLOB	UNIF	WV 0	4
3467	LOAD	X	012	002	4.80	33	2.40	31	GLOB	UNIF	WV 0	4
3468	LOAD	Y	012	002	4.80	57	2.40	54	GLOB	UNIF	WV 0	4
3469	LOAD	X	012	002	7.20	31	2.40	30	GLOB	UNIF	WV 0	4
3470	LOAD	Y	012	002	7.20	54	2.40	52	GLOB	UNIF	WV 0	4
3471	LOAD	X	012	002	9.60	30	2.40	28	GLOB	UNIF	WV 0	4
3472	LOAD	Y	012	002	9.60	52	2.40	49	GLOB	UNIF	WV 0	4
3473	LOAD	X	013	003	0.00	52	2.42	50	GLOB	UNIF	WV 0	4
3474	LOAD	Y	013	003	0.00	85	2.42	80	GLOB	UNIF	WV 0	4
3475	LOAD	Z	013	003	0.00-	07	2.42-	07	GLOB	UNIF	WV 0	4
3476	LOAD	X	013	003	2.42	50	2.42	47	GLOB	UNIF	WV 0	4
3477	LOAD	Y	013	003	2.42	80	2.42	76	GLOB	UNIF	WV 0	4
3478	LOAD	Z	013	003	2.42-	07	2.42-	07	GLOB	UNIF	WV 0	4
3479	LOAD	X	013	003	4.85	47	2.42	45	GLOB	UNIF	WV 0	4

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

3480	LOAD	Y	613	663	4.85	70	2.42	72	GLOB	UNIF	WV	0	4
3481	LOAD	Z	613	663	4.85-	07	2.42-	06	GLOB	UNIF	WV	0	4
3482	LOAD	X	613	663	7.27	45	2.42	43	GLOB	UNIF	WV	0	4
3483	LOAD	Y	613	663	7.27	72	2.42	69	GLOB	UNIF	WV	0	4
3484	LOAD	Z	613	663	7.27-	06	2.42-	06	GLOB	UNIF	WV	0	4
3485	LOAD	X	613	663	9.70	45	2.42	41	GLOB	UNIF	WV	0	4
3486	LOAD	Y	613	663	9.70	69	2.42	65	GLOB	UNIF	WV	0	4
3487	LOAD	Z	613	663	9.70-	06	2.42-	06	GLOB	UNIF	WV	0	4
3488	LOAD	X	501	652	0.00	19	4.05	18	GLOB	UNIF	WV	0	4
3489	LOAD	Y	501	652	0.00	75	4.05	70	GLOB	UNIF	WV	0	4
3490	LOAD	Z	501	652	0.00-	33	4.05-	31	GLOB	UNIF	WV	0	4
3491	LOAD	X	501	652	4.05	18	4.05	18	GLOB	UNIF	WV	0	4
3492	LOAD	Y	501	652	4.05	70	4.05	66	GLOB	UNIF	WV	0	4
3493	LOAD	Z	501	652	4.05-	31	4.05-	30	GLOB	UNIF	WV	0	4
3494	LOAD	X	501	652	8.10	18	4.05	17	GLOB	UNIF	WV	0	4
3495	LOAD	Y	501	652	8.10	66	4.05	63	GLOB	UNIF	WV	0	4
3496	LOAD	Z	501	652	8.10-	30	4.05-	28	GLOB	UNIF	WV	0	4
3497	LOAD	X	501	652	12.15	17	4.05	16	GLOB	UNIF	WV	0	4
3498	LOAD	Y	501	652	12.15	63	4.05	59	GLOB	UNIF	WV	0	4
3499	LOAD	Z	501	652	12.15-	28	4.05-	27	GLOB	UNIF	WV	0	4
3500	LOAD	X	501	652	16.20	16	4.05	15	GLOB	UNIF	WV	0	4
3501	LOAD	Y	501	652	16.20	59	4.05	56	GLOB	UNIF	WV	0	4
3502	LOAD	Z	501	652	16.20-	27	4.05-	26	GLOB	UNIF	WV	0	4
3503	LOAD	X	503	655	0.00	14	4.05	13	GLOB	UNIF	WV	0	4
3504	LOAD	Y	503	655	0.00	17	4.05	16	GLOB	UNIF	WV	0	4
3505	LOAD	Z	503	655	0.00	29	4.05	28	GLOB	UNIF	WV	0	4
3506	LOAD	X	503	655	4.05	13	4.05	13	GLOB	UNIF	WV	0	4
3507	LOAD	Y	503	655	4.05	16	4.05	16	GLOB	UNIF	WV	0	4
3508	LOAD	Z	503	655	4.05	28	4.05	27	GLOB	UNIF	WV	0	4
3509	LOAD	X	503	655	8.10	13	4.05	13	GLOB	UNIF	WV	0	4
3510	LOAD	Y	503	655	8.10	16	4.05	15	GLOB	UNIF	WV	0	4
3511	LOAD	Z	503	655	8.10	27	4.05	27	GLOB	UNIF	WV	0	4
3512	LOAD	X	503	655	12.15	13	4.05	12	GLOB	UNIF	WV	0	4
3513	LOAD	Y	503	655	12.15	15	4.05	15	GLOB	UNIF	WV	0	4
3514	LOAD	Z	503	655	12.15	27	4.05	26	GLOB	UNIF	WV	0	4
3515	LOAD	X	503	655	16.20	12	4.05	12	GLOB	UNIF	WV	0	4
3516	LOAD	Y	503	655	16.20	15	4.05	14	GLOB	UNIF	WV	0	4
3517	LOAD	Z	503	655	16.20	26	4.05	25	GLOB	UNIF	WV	0	4
3518	LOAD	X	506	654	0.00	55	4.05	51	GLOB	UNIF	WV	0	4
3519	LOAD	Y	506	654	0.00	56	4.05	54	GLOB	UNIF	WV	0	4
3520	LOAD	Z	506	654	0.00-	22	4.05-	22	GLOB	UNIF	WV	0	4
3521	LOAD	X	506	654	4.05	51	4.05	49	GLOB	UNIF	WV	0	4
3522	LOAD	Y	506	654	4.05	54	4.05	52	GLOB	UNIF	WV	0	4
3523	LOAD	Z	506	654	4.05-	22	4.05-	22	GLOB	UNIF	WV	0	4
3524	LOAD	X	506	654	8.10	49	4.05	47	GLOB	UNIF	WV	0	4
3525	LOAD	Y	506	654	8.10	52	4.05	50	GLOB	UNIF	WV	0	4
3526	LOAD	Z	506	654	8.10-	22	4.05-	22	GLOB	UNIF	WV	0	4
3527	LOAD	X	506	654	12.14	47	4.05	45	GLOB	UNIF	WV	0	4
3528	LOAD	Y	506	654	12.14	50	4.05	48	GLOB	UNIF	WV	0	4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   3529  LOAD Z  505 634  12.19-   22   4.05-   21            GLOB UNIF   WV 0 4
   3530  LOAD X  506 634  10.19    45   4.05    42            GLOB UNIF   WV 0 4
   3531  LOAD Y  506 634  10.19    46   4.05    46            GLOB UNIF   WV 0 4
   3532  LOAD Z  506 634  10.19-   21   4.05-   21            GLOB UNIF   WV 0 4
   3533  LOAD X  652 703   0.00    20   4.59    19            GLOB UNIF   WV 0 4
   3534  LOAD Y  652 703   0.00    84   4.59    79            GLOB UNIF   WV 0 4
   3535  LOAD Z  652 703   0.00-   35   4.59-   33            GLOB UNIF   WV 0 4
   3536  LOAD X  652 703   4.59    19   4.59    18            GLOB UNIF   WV 0 4
   3537  LOAD Y  652 703   4.59    79   4.59    75            GLOB UNIF   WV 0 4
   3538  LOAD Z  652 703   4.59-   33   4.59-   31            GLOB UNIF   WV 0 4
   3539  LOAD X  652 703   8.77    18   4.59    17            GLOB UNIF   WV 0 4
   3540  LOAD Y  652 703   8.77    75   4.59    70            GLOB UNIF   WV 0 4
   3541  LOAD Z  652 703   8.77-   31   4.59-   29            GLOB UNIF   WV 0 4
   3542  LOAD X  652 703  13.16    17   4.59    16            GLOB UNIF   WV 0 4
   3543  LOAD Y  652 703  13.16    70   4.59    66            GLOB UNIF   WV 0 4
   3544  LOAD Z  652 703  13.16-   29   4.59-   28            GLOB UNIF   WV 0 4
   3545  LOAD X  652 703  17.55    16   4.59    15            GLOB UNIF   WV 0 4
   3546  LOAD Y  652 703  17.55    66   4.59    62            GLOB UNIF   WV 0 4
   3547  LOAD Z  652 703  17.55-   28   4.59-   26            GLOB UNIF   WV 0 4
   3548  LOAD X  655 706   0.00    19   4.59    18            GLOB UNIF   WV 0 4
   3549  LOAD Y  655 706   0.00    24   4.59    23            GLOB UNIF   WV 0 4
   3550  LOAD Z  655 706   0.00    41   4.59    39            GLOB UNIF   WV 0 4
   3551  LOAD X  655 706   4.59    18   4.59    17            GLOB UNIF   WV 0 4
   3552  LOAD Y  655 706   4.59    23   4.59    22            GLOB UNIF   WV 0 4
   3553  LOAD Z  655 706   4.59    39   4.59    37            GLOB UNIF   WV 0 4
   3554  LOAD X  655 706   8.77    17   4.59    16            GLOB UNIF   WV 0 4
   3555  LOAD Y  655 706   8.77    22   4.59    21            GLOB UNIF   WV 0 4
   3556  LOAD Z  655 706   8.77    37   4.59    36            GLOB UNIF   WV 0 4
   3557  LOAD X  655 706  13.16    16   4.59    15            GLOB UNIF   WV 0 4
   3558  LOAD Y  655 706  13.16    21   4.59    20            GLOB UNIF   WV 0 4
   3559  LOAD Z  655 706  13.16    36   4.59    34            GLOB UNIF   WV 0 4
   3560  LOAD X  655 706  17.55    15   4.59    15            GLOB UNIF   WV 0 4
   3561  LOAD Y  655 706  17.55    20   4.59    19            GLOB UNIF   WV 0 4
   3562  LOAD Z  655 706  17.55    34   4.59    32            GLOB UNIF   WV 0 4
   3563  LOAD X  654 701   0.00    65   4.59    60            GLOB UNIF   WV 0 4
   3564  LOAD Y  654 701   0.00    66   4.59    63            GLOB UNIF   WV 0 4
   3565  LOAD Z  654 701   0.00-   27   4.59-   26            GLOB UNIF   WV 0 4
   3566  LOAD X  654 701   4.59    60   4.59    57            GLOB UNIF   WV 0 4
   3567  LOAD Y  654 701   4.59    63   4.59    61            GLOB UNIF   WV 0 4
   3568  LOAD Z  654 701   4.59-   26   4.59-   26            GLOB UNIF   WV 0 4
   3569  LOAD X  654 701   8.77    57   4.59    55            GLOB UNIF   WV 0 4
   3570  LOAD Y  654 701   8.77    61   4.59    58            GLOB UNIF   WV 0 4
   3571  LOAD Z  654 701   8.77-   26   4.59-   25            GLOB UNIF   WV 0 4
   3572  LOAD X  654 701  13.16    55   4.59    52            GLOB UNIF   WV 0 4
   3573  LOAD Y  654 701  13.16    58   4.59    55            GLOB UNIF   WV 0 4
   3574  LOAD Z  654 701  13.16-   25   4.59-   24            GLOB UNIF   WV 0 4
   3575  LOAD X  654 701  17.55    52   4.59    50            GLOB UNIF   WV 0 4
   3576  LOAD Y  654 701  17.55    55   4.59    53            GLOB UNIF   WV 0 4
   3577  LOAD Z  654 701  17.55-   24   4.59-   23            GLOB UNIF   WV 0 4
```

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  3578   LOAD Y  701 702    0.00    45   3.75    45              GLOB UNIF    WY 0 4
  3579   LOAD Z  701 702    0.00-   03   3.75-   03              GLOB UNIF    WY 0 4
  3580   LOAD Y  701 702    3.75    45   3.75    45              GLOB UNIF    WY 0 4
  3581   LOAD Z  701 702    3.75-   03   3.75-   03              GLOB UNIF    WY 0 4
  3582   LOAD Y  701 702    7.50    45   3.75    45              GLOB UNIF    WY 0 4
  3583   LOAD Z  701 702    7.50-   03   3.75-   03              GLOB UNIF    WY 0 4
  3584   LOAD Y  701 702   11.26    45   3.75    45              GLOB UNIF    WY 0 4
  3585   LOAD Z  701 702   11.26-   03   3.75-   03              GLOB UNIF    WY 0 4
  3586   LOAD Y  701 702   15.01    45   3.75    45              GLOB UNIF    WY 0 4
  3587   LOAD Z  701 702   15.01-   03   3.75-   03              GLOB UNIF    WY 0 4
  3588   LOAD Y  702 703    0.00    45   3.75    45              GLOB UNIF    WY 0 4
  3589   LOAD Z  702 703    0.00-   03   3.75-   03              GLOB UNIF    WY 0 4
  3590   LOAD Y  702 703    3.75    45   3.75    44              GLOB UNIF    WY 0 4
  3591   LOAD Z  702 703    3.75-   03   3.75-   03              GLOB UNIF    WY 0 4
  3592   LOAD Y  702 703    7.50    44   3.75    44              GLOB UNIF    WY 0 4
  3593   LOAD Z  702 703    7.50-   03   3.75-   03              GLOB UNIF    WY 0 4
  3594   LOAD Y  702 703   11.25    44   3.75    44              GLOB UNIF    WY 0 4
  3595   LOAD Z  702 703   11.26-   03   3.75-   03              GLOB UNIF    WY 0 4
  3596   LOAD Y  702 703   15.01    44   3.75    44              GLOB UNIF    WY 0 4
  3597   LOAD Z  702 703   15.01-   03   3.75-   03              GLOB UNIF    WY 0 4
  3598   LOAD Z  703 705    0.00-   03   3.75-   03              GLOB UNIF    WY 0 4
  3599   LOAD Z  703 705    3.75-   03   3.75-   03              GLOB UNIF    WY 0 4
  3600   LOAD Z  703 705    7.50-   03   3.75-   03              GLOB UNIF    WY 0 4
  3601   LOAD Z  703 705   11.25-   03   3.75-   03              GLOB UNIF    WY 0 4
  3602   LOAD Z  703 705   15.00-   03   3.75-   03              GLOB UNIF    WY 0 4
  3603   LOAD Z  705 706    0.00-   03   3.75-   02              GLOB UNIF    WY 0 4
  3604   LOAD Z  705 706    3.75-   02   3.75-   02              GLOB UNIF    WY 0 4
  3605   LOAD Z  705 706    7.51-   02   3.75-    1              GLOB UNIF    WY 0 4
  3606   LOAD Z  705 706   11.26-    1   3.75-    1              GLOB UNIF    WY 0 4
  3607   LOAD Z  705 706   15.01-    1   3.75                    GLOB UNIF    WY 0 4
  3608   LOAD X  701 704    0.00    39   3.75    39              GLOB UNIF    WY 0 4
  3609   LOAD Y  701 704    0.00    22   3.75    22              GLOB UNIF    WY 0 4
  3610   LOAD Z  701 704    0.00-   03   3.75-   03              GLOB UNIF    WY 0 4
  3611   LOAD X  701 704    3.75    39   3.75    38              GLOB UNIF    WY 0 4
  3612   LOAD Y  701 704    3.75    22   3.75    22              GLOB UNIF    WY 0 4
  3613   LOAD Z  701 704    3.75-   03   3.75-   02              GLOB UNIF    WY 0 4
  3614   LOAD X  701 704    7.50    38   3.75    38              GLOB UNIF    WY 0 4
  3615   LOAD Y  701 704    7.50    22   3.75    22              GLOB UNIF    WY 0 4
  3616   LOAD Z  701 704    7.50-   02   3.75-   02              GLOB UNIF    WY 0 4
  3617   LOAD X  701 704   11.25    38   3.75    38              GLOB UNIF    WY 0 4
  3618   LOAD Y  701 704   11.25    22   3.75    22              GLOB UNIF    WY 0 4
  3619   LOAD Z  701 704   11.25-   02   3.75-   02              GLOB UNIF    WY 0 4
  3620   LOAD X  701 704   15.00    38   3.75    38              GLOB UNIF    WY 0 4
  3621   LOAD Y  701 704   15.00    22   3.75    22              GLOB UNIF    WY 0 4
  3622   LOAD Z  701 704   15.00-   02   3.75-   02              GLOB UNIF    WY 0 4
  3623   LOAD X  704 706    0.00    38   3.75    37              GLOB UNIF    WY 0 4
  3624   LOAD Y  704 706    0.00    22   3.75    21              GLOB UNIF    WY 0 4
  3625   LOAD Z  704 706    0.00-   02   3.75-    1              GLOB UNIF    WY 0 4
  3626   LOAD X  704 706    3.75    37   3.75    37              GLOB UNIF    WY 0 4
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S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
3627	LOAD	Y	704	706	3.75	21	3.75	21	GLOB	UNIF	WV 0 4
3628	LOAD	Z	704	706	3.75-	1	3.75-	1	GLOB	UNIF	WV 0 4
3629	LOAD	X	704	706	7.51	37	3.75	36	GLOB	UNIF	WV 0 4
3630	LOAD	Y	704	706	7.51	21	3.75	21	GLOB	UNIF	WV 0 4
3631	LOAD	Z	704	706	7.51-	1	3.75-	1	GLOB	UNIF	WV 0 4
3632	LOAD	X	704	706	11.26	36	3.75	36	GLOB	UNIF	WV 0 4
3633	LOAD	Y	704	706	11.26	21	3.75	21	GLOB	UNIF	WV 0 4
3634	LOAD	Z	704	706	11.26-	1	3.75-	1	GLOB	UNIF	WV 0 4
3635	LOAD	X	704	706	15.01	36	3.75	35	GLOB	UNIF	WV 0 4
3636	LOAD	Y	704	706	15.01	21	3.75	20	GLOB	UNIF	WV 0 4
3637	LOAD	Z	704	706	15.01-	1	3.75		GLOB	UNIF	WV 0 4
3638	LOAD	Z	702	704	0.00-	02	3.75-	02	GLOB	UNIF	WV 0 4
3639	LOAD	Z	702	704	3.75-	02	3.75-	02	GLOB	UNIF	WV 0 4
3640	LOAD	Z	702	704	7.50-	02	3.75-	02	GLOB	UNIF	WV 0 4
3641	LOAD	Z	702	704	11.25-	02	3.75-	1	GLOB	UNIF	WV 0 4
3642	LOAD	Z	702	704	15.00-	1	3.75-	1	GLOB	UNIF	WV 0 4
3643	LOAD	X	702	705	0.00	34	3.75	34	GLOB	UNIF	WV 0 4
3644	LOAD	Y	702	705	0.00	19	3.75	19	GLOB	UNIF	WV 0 4
3645	LOAD	Z	702	705	0.00-	02	3.75-	02	GLOB	UNIF	WV 0 4
3646	LOAD	X	702	705	3.75	34	3.75	33	GLOB	UNIF	WV 0 4
3647	LOAD	Y	702	705	3.75	19	3.75	19	GLOB	UNIF	WV 0 4
3648	LOAD	Z	702	705	3.75-	02	3.75-	02	GLOB	UNIF	WV 0 4
3649	LOAD	X	702	705	7.50	33	3.75	33	GLOB	UNIF	WV 0 4
3650	LOAD	Y	702	705	7.50	19	3.75	19	GLOB	UNIF	WV 0 4
3651	LOAD	Z	702	705	7.50-	02	3.75-	02	GLOB	UNIF	WV 0 4
3652	LOAD	X	702	705	11.25	33	3.75	33	GLOB	UNIF	WV 0 4
3653	LOAD	Y	702	705	11.25	19	3.75	19	GLOB	UNIF	WV 0 4
3654	LOAD	Z	702	705	11.25-	02	3.75-	02	GLOB	UNIF	WV 0 4
3655	LOAD	X	702	705	15.00	33	3.75	33	GLOB	UNIF	WV 0 4
3656	LOAD	Y	702	705	15.00	19	3.75	19	GLOB	UNIF	WV 0 4
3657	LOAD	Z	702	705	15.00-	02	3.75-	02	GLOB	UNIF	WV 0 4
3658	LOAD	Y	704	705	0.00	37	3.75	36	GLOB	UNIF	WV 0 4
3659	LOAD	Z	704	705	0.00-	1	3.75-	1	GLOB	UNIF	WV 0 4
3660	LOAD	Y	704	705	3.75	38	3.75	38	GLOB	UNIF	WV 0 4
3661	LOAD	Z	704	705	3.75-	1	3.75-	1	GLOB	UNIF	WV 0 4
3662	LOAD	Y	704	705	7.50	36	3.75	38	GLOB	UNIF	WV 0 4
3663	LOAD	Z	704	705	7.50-	1	3.75-	1	GLOB	UNIF	WV 0 4
3664	LOAD	Y	704	705	11.26	38	3.75	38	GLOB	UNIF	WV 0 4
3665	LOAD	Z	704	705	11.26-	1	3.75-	02	GLOB	UNIF	WV 0 4
3666	LOAD	Y	704	705	15.01	36	3.75	39	GLOB	UNIF	WV 0 4
3667	LOAD	Z	704	705	15.01-	02	3.75-	02	GLOB	UNIF	WV 0 4
3668	LOAD	X	701	806	0.00	53	10.89	47	GLOB	UNIF	WV 0 4
3669	LOAD	Y	701	806	0.00	40	10.89	36	GLOB	UNIF	WV 0 4
3670	LOAD	Z	701	806	0.00	16	10.89	14	GLOB	UNIF	WV 0 4
3671	LOAD	X	701	806	10.89	47	10.89	42	GLOB	UNIF	WV 0 4
3672	LOAD	Y	701	806	10.89	36	10.89	35	GLOB	UNIF	WV 0 4
3673	LOAD	Z	701	806	10.89	14	10.89	13	GLOB	UNIF	WV 0 4
3674	LOAD	X	701	805	21.78	42	10.89	36	GLOB	UNIF	WV 0 4
3675	LOAD	Y	701	805	21.78	33	10.89	29	GLOB	UNIF	WV 0 4

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    3676  LOAD Z  701 806   21.78    13  10.69     12                   GLOB UNIF     WV 0 4
    3677  LOAD X  701 806   32.67    36  10.69     33                   GLOB UNIF     WV 0 4
    3678  LOAD Y  701 806   32.67    29  10.69     26                   GLOB UNIF     WV 0 4
    3679  LOAD Z  701 806   32.67    12  10.69     11                   GLOB UNIF     WV 0 4
    3680  LOAD X  701 806   43.56    35  10.69     31                   GLOB UNIF     WV 0 4
    3681  LOAD Y  701 806   43.56    26  10.69     25                   GLOB UNIF     WV 0 4
    3682  LOAD Z  701 806   43.56    11  10.69     11                   GLOB UNIF     WV 0 4
    3683  LOAD X  703 801    0.00    12  10.69     11                   GLOB UNIF     WV 0 4
    3684  LOAD Y  703 801    0.00    65  10.69     59                   GLOB UNIF     WV 0 4
    3685  LOAD Z  703 801    0.00    09  10.69     09                   GLOB UNIF     WV 0 4
    3686  LOAD X  703 801   10.89    11  10.69     10                   GLOB UNIF     WV 0 4
    3687  LOAD Y  703 801   10.89    59  10.69     55                   GLOB UNIF     WV 0 4
    3688  LOAD Z  703 801   10.89    09  10.69     08                   GLOB UNIF     WV 0 4
    3689  LOAD X  703 801   21.78    10  10.69     10                   GLOB UNIF     WV 0 4
    3690  LOAD Y  703 801   21.78    55  10.69     50                   GLOB UNIF     WV 0 4
    3691  LOAD Z  703 801   21.78    08  10.69     08                   GLOB UNIF     WV 0 4
    3692  LOAD X  703 801   32.66    10  10.69     09                   GLOB UNIF     WV 0 4
    3693  LOAD Y  703 801   32.66    50  10.69     45                   GLOB UNIF     WV 0 4
    3694  LOAD Z  703 801   32.66    08  10.69     08                   GLOB UNIF     WV 0 4
    3695  LOAD X  703 801   43.55    09  10.89     09                   GLOB UNIF     WV 0 4
    3696  LOAD Y  703 801   43.55    45  10.69     43                   GLOB UNIF     WV 0 4
    3697  LOAD Z  703 801   43.55    08  10.69     08                   GLOB UNIF     WV 0 4
    3698  LOAD X  706 803    0.00    13  10.69     13                   GLOB UNIF     WV 0 4
    3699  LOAD Y  706 803    0.00    29  10.69     26                   GLOB UNIF     WV 0 4
    3700  LOAD Z  706 803    0.00-   39  10.69-    36                   GLOB UNIF     WV 0 4
    3701  LOAD X  706 803   10.89    13  10.69     12                   GLOB UNIF     WV 0 4
    3702  LOAD Y  706 803   10.89    26  10.69     26                   GLOB UNIF     WV 0 4
    3703  LOAD Z  706 803   10.89-   36  10.69-    35                   GLOB UNIF     WV 0 4
    3704  LOAD X  706 803   21.77    12  10.69     11                   GLOB UNIF     WV 0 4
    3705  LOAD Y  706 803   21.77    26  10.69     23                   GLOB UNIF     WV 0 4
    3706  LOAD Z  706 803   21.77-   35  10.69-    32                   GLOB UNIF     WV 0 4
    3707  LOAD X  706 803   32.66    11  10.69     09                   GLOB UNIF     WV 0 4
    3708  LOAD Y  706 803   32.66    23  10.69     20                   GLOB UNIF     WV 0 4
    3709  LOAD Z  706 803   32.66-   32  10.69-    27                   GLOB UNIF     WV 0 4
    3710  LOAD X  706 803   43.55    09  10.69     08                   GLOB UNIF     WV 0 4
    3711  LOAD Y  706 803   43.55    20  10.69     17                   GLOB UNIF     WV 0 4
    3712  LOAD Z  706 803   43.55-   27  10.69-    24                   GLOB UNIF     WV 0 4
    3713  LOAD Y  801 802    0.00    34   4.75     35                   GLOB UNIF     WV 0 4
    3714  LOAD Z  801 802    0.00-   02   4.75-    02                   GLOB UNIF     WV 0 4
    3715  LOAD Y  801 802    4.73    35   4.75     35                   GLOB UNIF     WV 0 4
    3716  LOAD Z  801 802    4.75-   02   4.75-    02                   GLOB UNIF     WV 0 4
    3717  LOAD Y  801 802    9.46    35   4.75     35                   GLOB UNIF     WV 0 4
    3718  LOAD Z  801 802    9.46-   02   4.75-    03                   GLOB UNIF     WV 0 4
    3719  LOAD Y  801 802   14.20    35   4.75     35                   GLOB UNIF     WV 0 4
    3720  LOAD Z  801 802   14.20-   03   4.75-    03                   GLOB UNIF     WV 0 4
    3721  LOAD Y  801 802   18.93    35   4.75     35                   GLOB UNIF     WV 0 4
    3722  LOAD Z  801 802   18.93-   03   4.75-    03                   GLOB UNIF     WV 0 4
    3723  LOAD Y  802 803    0.00    35   4.75     35                   GLOB UNIF     WV 0 4
    3724  LOAD Z  802 803    0.00-   03   4.75-    03                   GLOB UNIF     WV 0 4
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LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0											
5725	LOAD	Y	802	803	4.73	33	4.73	32	GLOB	UNIF	WV	0 4
5726	LOAD	Z	802	803	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 4
5727	LOAD	Y	802	803	9.46	32	4.73	32	GLOB	UNIF	WV	0 4
5728	LOAD	Z	802	803	9.46-	03	4.73-	03	GLOB	UNIF	WV	0 4
5729	LOAD	Y	802	803	14.20	32	4.73	32	GLOB	UNIF	WV	0 4
5730	LOAD	Z	802	803	14.20-	03	4.73-	03	GLOB	UNIF	WV	0 4
5731	LOAD	Y	802	803	18.93	32	4.73	31	GLOB	UNIF	WV	0 4
5732	LOAD	Z	802	803	18.93-	03	4.73-	03	GLOB	UNIF	WV	0 4
5733	LOAD	Z	803	805	0.00-	03	4.73-	03	GLOB	UNIF	WV	0 4
5734	LOAD	Z	803	805	4.73-	03	4.73-	03	GLOB	UNIF	WV	0 4
5735	LOAD	Z	803	805	9.46-	03	4.73-	03	GLOB	UNIF	WV	0 4
5736	LOAD	Z	803	805	14.20-	03	4.73-	02	GLOB	UNIF	WV	0 4
5737	LOAD	Z	803	805	18.93-	02	4.73-	02	GLOB	UNIF	WV	0 4
5738	LOAD	Z	805	806	0.00-	02	4.73-	02	GLOB	UNIF	WV	0 4
5739	LOAD	Z	805	806	4.73-	02	4.73-	02	GLOB	UNIF	WV	0 4
5740	LOAD	Z	805	806	9.47-	02	4.73-	02	GLOB	UNIF	WV	0 4
5741	LOAD	Z	805	806	14.20-	02	4.73-	02	GLOB	UNIF	WV	0 4
5742	LOAD	Z	805	806	18.93-	02	4.73-	02	GLOB	UNIF	WV	0 4
5743	LOAD	X	801	804	0.00	29	4.73	29	GLOB	UNIF	WV	0 4
5744	LOAD	Y	801	804	0.00	17	4.73	17	GLOB	UNIF	WV	0 4
5745	LOAD	Z	801	804	0.00-	02	4.73-	02	GLOB	UNIF	WV	0 4
5746	LOAD	X	801	804	4.73	29	4.73	29	GLOB	UNIF	WV	0 4
5747	LOAD	Y	801	804	4.73	17	4.73	17	GLOB	UNIF	WV	0 4
5748	LOAD	Z	801	804	4.73-	02	4.73-	02	GLOB	UNIF	WV	0 4
5749	LOAD	X	801	804	9.46	29	4.73	29	GLOB	UNIF	WV	0 4
5750	LOAD	Y	801	804	9.46	17	4.73	17	GLOB	UNIF	WV	0 4
5751	LOAD	Z	801	804	9.46-	02	4.73-	02	GLOB	UNIF	WV	0 4
5752	LOAD	X	801	804	14.20	29	4.73	29	GLOB	UNIF	WV	0 4
5753	LOAD	Y	801	804	14.20	17	4.73	17	GLOB	UNIF	WV	0 4
5754	LOAD	Z	801	804	14.20-	02	4.73-	02	GLOB	UNIF	WV	0 4
5755	LOAD	X	801	804	18.93	29	4.73	28	GLOB	UNIF	WV	0 4
5756	LOAD	Y	801	804	18.93	17	4.73	16	GLOB	UNIF	WV	0 4
5757	LOAD	Z	801	804	18.93-	02	4.73-	02	GLOB	UNIF	WV	0 4
5758	LOAD	X	804	806	0.00	28	4.73	28	GLOB	UNIF	WV	0 4
5759	LOAD	Y	804	806	0.00	16	4.73	16	GLOB	UNIF	WV	0 4
5760	LOAD	Z	804	806	0.00-	02	4.73-	02	GLOB	UNIF	WV	0 4
5761	LOAD	X	804	806	4.73	28	4.73	28	GLOB	UNIF	WV	0 4
5762	LOAD	Y	804	806	4.73	16	4.73	16	GLOB	UNIF	WV	0 4
5763	LOAD	Z	804	806	4.73-	02	4.73-	02	GLOB	UNIF	WV	0 4
5764	LOAD	X	804	806	9.47	28	4.73	28	GLOB	UNIF	WV	0 4
5765	LOAD	Y	804	806	9.47	16	4.73	16	GLOB	UNIF	WV	0 4
5766	LOAD	Z	804	806	9.47-	02	4.73-	02	GLOB	UNIF	WV	0 4
5767	LOAD	X	804	806	14.20	28	4.73	28	GLOB	UNIF	WV	0 4
5768	LOAD	Y	804	806	14.20	16	4.73	16	GLOB	UNIF	WV	0 4
5769	LOAD	Z	804	806	14.20-	02	4.73-	02	GLOB	UNIF	WV	0 4
5770	LOAD	X	804	806	18.93	28	4.73	28	GLOB	UNIF	WV	0 4
5771	LOAD	Y	804	806	18.93	16	4.73	16	GLOB	UNIF	WV	0 4
5772	LOAD	Z	804	806	18.93-	02	4.73-	02	GLOB	UNIF	WV	0 4
5773	LOAD	Z	802	804	0.00-	1	4.73-	1	GLOB	UNIF	WV	0 4

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3774	LOAD	Z	802 804	4.73-	1	4.73-	1	GLOB	UNIF	WV	0 4
3775	LOAD	Z	802 804	9.46-	1	4.73-	1	GLOB	UNIF	WV	0 4
3776	LOAD	Z	802 804	14.20-	1	4.73-	1	GLOB	UNIF	WV	0 4
3777	LOAD	Z	802 804	18.93-	1	4.73-	1	GLOB	UNIF	WV	0 4
3778	LOAD	X	802 805	0.00	20	4.73	20	GLOB	UNIF	WV	0 4
3779	LOAD	Y	802 805	0.00	12	4.73	12	GLOB	UNIF	WV	0 4
3780	LOAD	Z	802 805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0 4
3781	LOAD	X	802 805	4.73	20	4.73	20	GLOB	UNIF	WV	0 4
3782	LOAD	Y	802 805	4.73	12	4.73	12	GLOB	UNIF	WV	0 4
3783	LOAD	Z	802 805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0 4
3784	LOAD	X	802 805	9.46	20	4.73	20	GLOB	UNIF	WV	0 4
3785	LOAD	Y	802 805	9.46	12	4.73	12	GLOB	UNIF	WV	0 4
3786	LOAD	Z	802 805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0 4
3787	LOAD	X	802 805	14.20	20	4.73	20	GLOB	UNIF	WV	0 4
3788	LOAD	Y	802 805	14.20	12	4.73	12	GLOB	UNIF	WV	0 4
3789	LOAD	Z	802 805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0 4
3790	LOAD	X	802 805	18.93	20	4.73	20	GLOB	UNIF	WV	0 4
3791	LOAD	Y	802 805	18.93	12	4.73	12	GLOB	UNIF	WV	0 4
3792	LOAD	Z	802 805	18.93-	1	4.73-	1	GLOB	UNIF	WV	0 4
3793	LOAD	Y	804 805	0.00	23	4.73	23	GLOB	UNIF	WV	0 4
3794	LOAD	Z	804 805	0.00-	1	4.73-	1	GLOB	UNIF	WV	0 4
3795	LOAD	Y	804 805	4.73	23	4.73	23	GLOB	UNIF	WV	0 4
3796	LOAD	Z	804 805	4.73-	1	4.73-	1	GLOB	UNIF	WV	0 4
3797	LOAD	Y	804 805	9.46	23	4.73	23	GLOB	UNIF	WV	0 4
3798	LOAD	Z	804 805	9.46-	1	4.73-	1	GLOB	UNIF	WV	0 4
3799	LOAD	Y	804 805	14.20	23	4.73	23	GLOB	UNIF	WV	0 4
3800	LOAD	Z	804 805	14.20-	1	4.73-	1	GLOB	UNIF	WV	0 4
3801	LOAD	Y	804 805	18.93	23	4.73	24	GLOB	UNIF	WV	0 4
3802	LOAD	Z	804 805	18.93-	1	4.73-	1	GLOB	UNIF	WV	0 4
3803	LOAD	X	8011002	0.00	13	4.15	12	GLOB	UNIF	WV	0 4
3804	LOAD	Y	8011002	0.00	33	4.15	32	GLOB	UNIF	WV	0 4
3805	LOAD	Z	8011002	0.00-	12	4.15-	11	GLOB	UNIF	WV	0 4
3806	LOAD	X	8011002	4.15	12	4.15	12	GLOB	UNIF	WV	0 4
3807	LOAD	Y	8011002	4.15	32	4.15	30	GLOB	UNIF	WV	0 4
3808	LOAD	Z	8011002	4.15-	11	4.15-	11	GLOB	UNIF	WV	0 4
3809	LOAD	X	8011002	8.30	12	4.15	11	GLOB	UNIF	WV	0 4
3810	LOAD	Y	8011002	8.30	30	4.15	29	GLOB	UNIF	WV	0 4
3811	LOAD	Z	8011002	8.30-	11	4.15-	10	GLOB	UNIF	WV	0 4
3812	LOAD	X	8011002	12.46	11	4.15	11	GLOB	UNIF	WV	0 4
3813	LOAD	Y	8011002	12.46	29	4.15	28	GLOB	UNIF	WV	0 4
3814	LOAD	Z	8011002	12.46-	10	4.15-	10	GLOB	UNIF	WV	0 4
3815	LOAD	X	8011002	16.61	11	4.15	10	GLOB	UNIF	WV	0 4
3816	LOAD	Y	8011002	16.61	28	4.15	27	GLOB	UNIF	WV	0 4
3817	LOAD	Z	8011002	16.61-	10	4.15-	09	GLOB	UNIF	WV	0 4
3818	LOAD	X	8011002	20.76	10	4.15	10	GLOB	UNIF	WV	0 4
3819	LOAD	Y	8011002	20.76	27	4.15	26	GLOB	UNIF	WV	0 4
3820	LOAD	Z	8011002	20.76-	09	4.15-	09	GLOB	UNIF	WV	0 4
3821	LOAD	X	8011002	24.91	10	4.15	10	GLOB	UNIF	WV	0 4
3822	LOAD	Y	8011002	24.91	26	4.15	25	GLOB	UNIF	WV	0 4

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LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.												
3623	LOAD	Z	0011002	24.91-	09	4.15-	09	GLOB	UNIF	WV	0	4
3624	LOAD	X	0011002	29.06	10	4.15	07	GLOB	UNIF	WV	0	4
3625	LOAD	Y	0011002	29.06	25	4.15	16	GLOB	UNIF	WV	0	4
3626	LOAD	Z	0011002	29.06-	09	4.15-	06	GLOB	UNIF	WV	0	4
3627	LOAD	X	0011002	33.21	07	4.15	04	GLOB	UNIF	WV	0	4
3628	LOAD	Y	0011002	33.21	16	4.15	10	GLOB	UNIF	WV	0	4
3629	LOAD	Z	0011002	33.21-	06	4.15-	04	GLOB	UNIF	WV	0	4
3630	LOAD	X	0011002	37.37	04	4.15	1	GLOB	UNIF	WV	0	4
3631	LOAD	Y	0011002	37.37	10	4.15	02	GLOB	UNIF	WV	0	4
3632	LOAD	Z	0011002	37.37-	04	4.15		GLOB	UNIF	WV	0	4
3633	LOAD	X	0031002	0.00	12	4.15	12	GLOB	UNIF	WV	0	4
3634	LOAD	Y	0031002	0.00	32	4.15	31	GLOB	UNIF	WV	0	4
3635	LOAD	Z	0031002	0.00	06	4.15	06	GLOB	UNIF	WV	0	4
3636	LOAD	X	0031002	4.15	12	4.15	12	GLOB	UNIF	WV	0	4
3637	LOAD	Y	0031002	4.15	31	4.15	30	GLOB	UNIF	WV	0	4
3638	LOAD	Z	0031002	4.15	06	4.15	06	GLOB	UNIF	WV	0	4
3639	LOAD	X	0031002	8.30	12	4.15	11	GLOB	UNIF	WV	0	4
3640	LOAD	Y	0031002	8.30	30	4.15	29	GLOB	UNIF	WV	0	4
3641	LOAD	Z	0031002	8.30	06	4.15	05	GLOB	UNIF	WV	0	4
3642	LOAD	X	0031002	12.46	11	4.15	11	GLOB	UNIF	WV	0	4
3643	LOAD	Y	0031002	12.46	29	4.15	28	GLOB	UNIF	WV	0	4
3644	LOAD	Z	0031002	12.46	05	4.15	05	GLOB	UNIF	WV	0	4
3645	LOAD	X	0031002	16.61	11	4.15	11	GLOB	UNIF	WV	0	4
3646	LOAD	Y	0031002	16.61	28	4.15	27	GLOB	UNIF	WV	0	4
3647	LOAD	Z	0031002	16.61	05	4.15	05	GLOB	UNIF	WV	0	4
3648	LOAD	X	0031002	20.76	11	4.15	11	GLOB	UNIF	WV	0	4
3649	LOAD	Y	0031002	20.76	27	4.15	27	GLOB	UNIF	WV	0	4
3650	LOAD	Z	0031002	20.76	05	4.15	05	GLOB	UNIF	WV	0	4
3651	LOAD	X	0031002	24.91	11	4.15	11	GLOB	UNIF	WV	0	4
3652	LOAD	Y	0031002	24.91	27	4.15	26	GLOB	UNIF	WV	0	4
3653	LOAD	Z	0031002	24.91	05	4.15	05	GLOB	UNIF	WV	0	4
3654	LOAD	X	0031002	29.06	11	4.15	05	GLOB	UNIF	WV	0	4
3655	LOAD	Y	0031002	29.06	26	4.15	18	GLOB	UNIF	WV	0	4
3656	LOAD	Z	0031002	29.06	05	4.15	02	GLOB	UNIF	WV	0	4
3657	LOAD	X	0031002	33.21	05	4.15	03	GLOB	UNIF	WV	0	4
3658	LOAD	Y	0031002	33.21	18	4.15	10	GLOB	UNIF	WV	0	4
3659	LOAD	Z	0031002	33.21	02	4.15	1	GLOB	UNIF	WV	0	4
3660	LOAD	X	0031002	37.37	03	4.15	1	GLOB	UNIF	WV	0	4
3661	LOAD	Y	0031002	37.37	10	4.15	02	GLOB	UNIF	WV	0	4
3662	LOAD	Z	0031[illegible]	37.37	1	4.15		GLOB	UNIF	WV	0	4
3663	LOAD	X	0031005	0.00	13	4.15	13	GLOB	UNIF	WV	0	4
3664	LOAD	Y	0031005	0.00	19	4.15	19	GLOB	UNIF	WV	0	4
3665	LOAD	Z	0031005	0.00	16	4.15	16	GLOB	UNIF	WV	0	4
3666	LOAD	X	0031005	4.15	13	4.15	13	GLOB	UNIF	WV	0	4
3667	LOAD	Y	0031005	4.15	19	4.15	19	GLOB	UNIF	WV	0	4
3668	LOAD	Z	0031005	4.15	16	4.15	15	GLOB	UNIF	WV	0	4
3669	LOAD	X	0031005	8.30	13	4.15	12	GLOB	UNIF	WV	0	4
3670	LOAD	Y	0031005	8.30	19	4.15	18	GLOB	UNIF	WV	0	4
3671	LOAD	Z	0031005	8.30	15	4.15	15	GLOB	UNIF	WV	0	4

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.												
3872	LOAD	X	8051005	12.46	12	4.15	12	GLOB	UNIF	WV	0	4
3873	LOAD	Y	8051005	12.46	18	4.15	18	GLOB	UNIF	WV	0	4
3874	LOAD	Z	8051005	12.46	15	4.15	15	GLOB	UNIF	WV	0	4
3875	LOAD	X	8051005	16.61	12	4.15	12	GLOB	UNIF	WV	0	4
3876	LOAD	Y	8051005	16.61	18	4.15	17	GLOB	UNIF	WV	0	4
3877	LOAD	Z	8051005	16.61	15	4.15	14	GLOB	UNIF	WV	0	4
3878	LOAD	X	8051005	20.76	12	4.15	11	GLOB	UNIF	WV	0	4
3879	LOAD	Y	8051005	20.76	17	4.15	17	GLOB	UNIF	WV	0	4
3880	LOAD	Z	8051005	20.76	14	4.15	14	GLOB	UNIF	WV	0	4
3881	LOAD	X	8051005	24.91	11	4.15	11	GLOB	UNIF	WV	0	4
3882	LOAD	Y	8051005	24.91	17	4.15	17	GLOB	UNIF	WV	0	4
3883	LOAD	Z	8051005	24.91	14	4.15	14	GLOB	UNIF	WV	0	4
3884	LOAD	X	8051005	29.06	11	4.15	09	GLOB	UNIF	WV	0	4
3885	LOAD	Y	8051005	29.06	17	4.15	14	GLOB	UNIF	WV	0	4
3886	LOAD	Z	8051005	29.06	14	4.15	11	GLOB	UNIF	WV	0	4
3887	LOAD	X	8051005	33.22	09	4.15	05	GLOB	UNIF	WV	0	4
3888	LOAD	Y	8051005	33.22	14	4.15	08	GLOB	UNIF	WV	0	4
3889	LOAD	Z	8051005	33.22	11	4.15	07	GLOB	UNIF	WV	0	4
3890	LOAD	X	8051005	37.37	05	4.15	1	GLOB	UNIF	WV	0	4
3891	LOAD	Y	8051005	37.37	08	4.15	02	GLOB	UNIF	WV	0	4
3892	LOAD	Z	8051005	37.37	07	4.15	1	GLOB	UNIF	WV	0	4
3893	LOAD	X	8061005	0.00	12	4.15	11	GLOB	UNIF	WV	0	4
3894	LOAD	Y	8061005	0.00	23	4.15	22	GLOB	UNIF	WV	0	4
3895	LOAD	Z	8061005	0.00-	18	4.15-	17	GLOB	UNIF	WV	0	4
3896	LOAD	X	8061005	4.15	11	4.15	11	GLOB	UNIF	WV	0	4
3897	LOAD	Y	8061005	4.15	22	4.15	21	GLOB	UNIF	WV	0	4
3898	LOAD	Z	8061005	4.15-	17	4.15-	17	GLOB	UNIF	WV	0	4
3899	LOAD	X	8061005	8.30	11	4.15	11	GLOB	UNIF	WV	0	4
3900	LOAD	Y	8061005	8.30	21	4.15	21	GLOB	UNIF	WV	0	4
3901	LOAD	Z	8061005	8.30-	17	4.15-	16	GLOB	UNIF	WV	0	4
3902	LOAD	X	8061005	12.46	11	4.15	10	GLOB	UNIF	WV	0	4
3903	LOAD	Y	8061005	12.46	21	4.15	20	GLOB	UNIF	WV	0	4
3904	LOAD	Z	8061005	12.46-	16	4.15-	16	GLOB	UNIF	WV	0	4
3905	LOAD	X	8061005	16.61	10	4.15	10	GLOB	UNIF	WV	0	4
3906	LOAD	Y	8061005	16.61	20	4.15	20	GLOB	UNIF	WV	0	4
3907	LOAD	Z	8061005	16.61-	16	4.15-	15	GLOB	UNIF	WV	0	4
3908	LOAD	X	8061005	20.76	10	4.15	10	GLOB	UNIF	WV	0	4
3909	LOAD	Y	8061005	20.76	20	4.15	19	GLOB	UNIF	WV	0	4
3910	LOAD	Z	8061005	20.76-	15	4.15-	15	GLOB	UNIF	WV	0	4
3911	LOAD	X	8061005	24.91	10	4.15	09	GLOB	UNIF	WV	0	4
3912	LOAD	Y	8061005	24.91	19	4.15	19	GLOB	UNIF	WV	0	4
3913	LOAD	Z	8061005	24.91-	15	4.15-	14	GLOB	UNIF	WV	0	4
3914	LOAD	X	8061005	29.07	09	4.15	06	GLOB	UNIF	WV	0	4
3915	LOAD	Y	8061005	29.07	19	4.15	12	GLOB	UNIF	WV	0	4
3916	LOAD	Z	8061005	29.07-	14	4.15-	09	GLOB	UNIF	WV	0	4
3917	LOAD	X	8061005	33.22	06	4.15	05	GLOB	UNIF	WV	0	4
3918	LOAD	Y	8061005	33.22	12	4.15	07	GLOB	UNIF	WV	0	4
3919	LOAD	Z	8061005	33.22-	09	4.15-	05	GLOB	UNIF	WV	0	4
3920	LOAD	X	8061005	37.37	05	4.15	1	GLOB	UNIF	WV	0	4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0								
3921	LOAD	Y	6061005	37.37	07	4.15	02	GLOB UNIF	WV 0 4
3922	LOAD	Z	6061005	37.37-	05	4.15-	1	GLOB UNIF	WV 0 4
3923	LOAD	X	6011004	0.00	23	4.15	22	GLOB UNIF	WV 0 4
3924	LOAD	Y	6011004	0.00	25	4.15	25	GLOB UNIF	WV 0 4
3925	LOAD	Z	6011004	0.00	10	4.15	10	GLOB UNIF	WV 0 4
3926	LOAD	X	6011004	4.15	22	4.15	21	GLOB UNIF	WV 0 4
3927	LOAD	Y	6011004	4.15	25	4.15	24	GLOB UNIF	WV 0 4
3928	LOAD	Z	6011004	4.15	10	4.15	09	GLOB UNIF	WV 0 4
3929	LOAD	X	6011004	8.30	21	4.15	20	GLOB UNIF	WV 0 4
3930	LOAD	Y	6011004	8.30	24	4.15	23	GLOB UNIF	WV 0 4
3931	LOAD	Z	6011004	8.30	09	4.15	09	GLOB UNIF	WV 0 4
3932	LOAD	X	6011004	12.46	20	4.15	19	GLOB UNIF	WV 0 4
3933	LOAD	Y	6011004	12.46	23	4.15	22	GLOB UNIF	WV 0 4
3934	LOAD	Z	6011004	12.46	09	4.15	09	GLOB UNIF	WV 0 4
3935	LOAD	X	6011004	16.61	19	4.15	19	GLOB UNIF	WV 0 4
3936	LOAD	Y	6011004	16.61	22	4.15	21	GLOB UNIF	WV 0 4
3937	LOAD	Z	6011004	16.61	09	4.15	09	GLOB UNIF	WV 0 4
3938	LOAD	X	6011004	20.76	19	4.15	18	GLOB UNIF	WV 0 4
3939	LOAD	Y	6011004	20.76	21	4.15	21	GLOB UNIF	WV 0 4
3940	LOAD	Z	6011004	20.76	09	4.15	08	GLOB UNIF	WV 0 4
3941	LOAD	X	6011004	24.91	18	4.15	18	GLOB UNIF	WV 0 4
3942	LOAD	Y	6011004	24.91	21	4.15	20	GLOB UNIF	WV 0 4
3943	LOAD	Z	6011004	24.91	08	4.15	08	GLOB UNIF	WV 0 4
3944	LOAD	X	6011004	29.06	16	4.15	13	GLOB UNIF	WV 0 4
3945	LOAD	Y	6011004	29.06	20	4.15	15	GLOB UNIF	WV 0 4
3946	LOAD	Z	6011004	29.06	08	4.15	06	GLOB UNIF	WV 0 4
3947	LOAD	X	6011004	33.22	13	4.15	07	GLOB UNIF	WV 0 4
3948	LOAD	Y	6011004	33.22	15	4.15	09	GLOB UNIF	WV 0 4
3949	LOAD	Z	6011004	33.22	06	4.15	05	GLOB UNIF	WV 0 4
3950	LOAD	X	6011004	37.37	07	4.15	02	GLOB UNIF	WV 0 4
3951	LOAD	Y	6011004	37.37	09	4.15	03	GLOB UNIF	WV 0 4
3952	LOAD	Z	6011004	37.37	05	4.15	1	GLOB UNIF	WV 0 4
3953	LOAD	X	6061004	0.00	21	4.61	20	GLOB UNIF	WV 0 4
3954	LOAD	Y	6061004	0.00	29	4.61	28	GLOB UNIF	WV 0 4
3955	LOAD	Z	6061004	0.00-	07	4.61-	07	GLOB UNIF	WV 0 4
3956	LOAD	X	6061004	4.61	20	4.61	19	GLOB UNIF	WV 0 4
3957	LOAD	Y	6061004	4.61	28	4.61	27	GLOB UNIF	WV 0 4
3958	LOAD	Z	6061004	4.61-	07	4.61-	07	GLOB UNIF	WV 0 4
3959	LOAD	X	6061004	9.23	19	4.61	19	GLOB UNIF	WV 0 4
3960	LOAD	Y	6061004	9.23	27	4.61	25	GLOB UNIF	WV 0 4
3961	LOAD	Z	6061004	9.23-	07	4.61-	06	GLOB UNIF	WV 0 4
3962	LOAD	X	6061004	13.84	19	4.61	18	GLOB UNIF	WV 0 4
3963	LOAD	Y	6061004	13.84	25	4.61	24	GLOB UNIF	WV 0 4
3964	LOAD	Z	6061004	13.84-	06	4.61-	06	GLOB UNIF	WV 0 4
3965	LOAD	X	6061004	18.46	18	4.61	18	GLOB UNIF	WV 0 4
3966	LOAD	Y	6061004	18.46	24	4.61	24	GLOB UNIF	WV 0 4
3967	LOAD	Z	6061004	18.46-	06	4.61-	06	GLOB UNIF	WV 0 4
3968	LOAD	X	6061004	23.07	18	4.61	17	GLOB UNIF	WV 0 4
3969	LOAD	Y	6061004	23.07	24	4.61	23	GLOB UNIF	WV 0 4

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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3970	LOAD	Z	8061004	23.07-	06	4.01-	06	GLOB UNIF	WV	0 4
3971	LOAD	X	8061004	27.68	17	4.01	13	GLOB UNIF	WV	0 4
3972	LOAD	Y	8061004	27.68	23	4.01	16	GLOB UNIF	WV	0 4
3973	LOAD	Z	8061004	27.68-	06	4.01-	04	GLOB UNIF	WV	0 4
3974	LOAD	X	8061004	32.30	13	4.01	06	GLOB UNIF	WV	0 4
3975	LOAD	Y	8061004	32.30	16	4.01	10	GLOB UNIF	WV	0 4
3976	LOAD	Z	8061004	32.30-	04	4.01-	03	GLOB UNIF	WV	0 4
3977	LOAD	X	8061004	36.91	08	4.01	02	GLOB UNIF	WV	0 4
3978	LOAD	Y	8061004	36.91	10	4.01	03	GLOB UNIF	WV	0 4
3979	LOAD	Z	8061004	36.91-	03	4.01-	1	GLOB UNIF	WV	0 4
3980	LOAD	Y	10011002	0.00	03	5.71	03	GLOB UNIF	WV	0 4
3981	LOAD	Y	10011002	5.71	03	5.71	03	GLOB UNIF	WV	0 4
3982	LOAD	Y	10011002	11.43	03	5.71	02	GLOB UNIF	WV	0 4
3983	LOAD	Y	10011002	17.14	02	5.71	02	GLOB UNIF	WV	0 4
3984	LOAD	Y	10011002	22.86	02	5.71	02	GLOB UNIF	WV	0 4
3985	LOAD	Y	10021003	0.00	02	5.71	1	GLOB UNIF	WV	0 4
3986	LOAD	Y	10021003	5.71	1	5.71	1	GLOB UNIF	WV	0 4
3987	LOAD	Y	10021003	11.43	1	5.71	1	GLOB UNIF	WV	0 4
3988	LOAD	Y	10021003	17.14	1	5.71	1	GLOB UNIF	WV	0 4
3989	LOAD	Y	10021003	22.86	1	5.71		GLOB UNIF	WV	0 4
3990	LOAD	X	10011004	0.00	03	5.71	03	GLOB UNIF	WV	0 4
3991	LOAD	Y	10011004	0.00	02	5.71	02	GLOB UNIF	WV	0 4
3992	LOAD	X	10011004	5.71	03	5.71	03	GLOB UNIF	WV	0 4
3993	LOAD	Y	10011004	5.71	02	5.71	02	GLOB UNIF	WV	0 4
3994	LOAD	X	10011004	11.43	03	5.71	03	GLOB UNIF	WV	0 4
3995	LOAD	Y	10011004	11.43	02	5.71	02	GLOB UNIF	WV	0 4
3996	LOAD	X	10011004	17.14	03	5.71	03	GLOB UNIF	WV	0 4
3997	LOAD	Y	10011004	17.14	02	5.71	02	GLOB UNIF	WV	0 4
3998	LOAD	X	10011004	22.85	03	5.71	03	GLOB UNIF	WV	0 4
3999	LOAD	Y	10011004	22.85	02	5.71	02	GLOB UNIF	WV	0 4
4000	LOAD	X	10041006	0.00	03	5.71	04	GLOB UNIF	WV	0 4
4001	LOAD	Y	10041006	0.00	02	5.71	02	GLOB UNIF	WV	0 4
4002	LOAD	X	10041006	5.71	04	5.71	04	GLOB UNIF	WV	0 4
4003	LOAD	Y	10041006	5.71	02	5.71	02	GLOB UNIF	WV	0 4
4004	LOAD	X	10041006	11.43	04	5.71	04	GLOB UNIF	WV	0 4
4005	LOAD	Y	10041006	11.43	02	5.71	02	GLOB UNIF	WV	0 4
4006	LOAD	X	10041006	17.14	04	5.71	04	GLOB UNIF	WV	0 4
4007	LOAD	Y	10041006	17.14	02	5.71	02	GLOB UNIF	WV	0 4
4008	LOAD	X	10041006	22.86	04	5.71	04	GLOB UNIF	WV	0 4
4009	LOAD	Y	10041006	22.85	02	5.71	02	GLOB UNIF	WV	0 4
4010	LOAD	X	10021005	0.00	1	5.71	1	GLOB UNIF	WV	0 4
4011	LOAD	Y	10021005	0.00	1	5.71	1	GLOB UNIF	WV	0 4
4012	LOAD	X	10021005	5.71	1	5.71	1	GLOB UNIF	WV	0 4
4013	LOAD	Y	10021005	5.71	1	5.71	1	GLOB UNIF	WV	0 4
4014	LOAD	X	10021005	11.43	1	5.71	1	GLOB UNIF	WV	0 4
4015	LOAD	Y	10021005	11.43	1	5.71	1	GLOB UNIF	WV	0 4
4016	LOAD	X	10021005	17.14	1	5.71	1	GLOB UNIF	WV	0 4
4017	LOAD	Y	10021005	17.14	1	5.71	1	GLOB UNIF	WV	0 4
4018	LOAD	X	10021005	22.86	1	5.71	1	GLOB UNIF	WV	0 4

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LINE NO.										
4019	LOAD	Y	10021005	22.86	1	5.71	1	GLOB UNIF	WV 0	4
4020	LOAD	Y	10031005	0.00	92	5.72	92	GLOB UNIF	WV 0	4
4021	LOAD	Y	10041005	5.72	92	5.72	92	GLOB UNIF	WV 0	4
4022	LOAD	Y	10041005	11.43	92	5.72	92	GLOB UNIF	WV 0	4
4023	LOAD	Y	10041005	17.15	92	5.72	92	GLOB UNIF	WV 0	4
4024	LOAD	Y	10041005	22.86	92	5.72	92	GLOB UNIF	WV 0	4
4025	LOAD	X	201 301	7.90	67	1.42	80	GLOB UNIF	WV 0	4
4026	LOAD	Y	201 301	7.90	116	1.42	139	GLOB UNIF	WV 0	4
4027	LOAD	X	201 301	9.32	80	1.42	94	GLOB UNIF	WV 0	4
4028	LOAD	Y	201 301	9.32	139	1.42	165	GLOB UNIF	WV 0	4
4029	LOAD	X	201 301	10.74	94	1.42	100	GLOB UNIF	WV 0	4
4030	LOAD	Y	201 301	10.74	165	1.42	173	GLOB UNIF	WV 0	4
4031	LOAD	X	201 301	12.16	100	1.42	104	GLOB UNIF	WV 0	4
4032	LOAD	Y	201 301	12.16	173	1.42	180	GLOB UNIF	WV 0	4
4033	LOAD	X	201 301	13.58	104	1.42	108	GLOB UNIF	WV 0	4
4034	LOAD	Y	201 301	13.58	180	1.42	187	GLOB UNIF	WV 0	4
4035	LOAD	X	203 303	5.64	41	1.87	54	GLOB UNIF	WV 0	4
4036	LOAD	Y	203 303	5.64	71	1.87	94	GLOB UNIF	WV 0	4
4037	LOAD	X	203 303	7.52	54	1.87	68	GLOB UNIF	WV 0	4
4038	LOAD	Y	203 303	7.52	94	1.87	118	GLOB UNIF	WV 0	4
4039	LOAD	X	203 303	9.39	68	1.87	81	GLOB UNIF	WV 0	4
4040	LOAD	Y	203 303	9.39	118	1.87	140	GLOB UNIF	WV 0	4
4041	LOAD	X	203 303	11.26	81	1.87	88	GLOB UNIF	WV 0	4
4042	LOAD	Y	203 303	11.26	140	1.87	152	GLOB UNIF	WV 0	4
4043	LOAD	X	203 303	13.13	88	1.87	94	GLOB UNIF	WV 0	4
4044	LOAD	Y	203 303	13.13	152	1.87	164	GLOB UNIF	WV 0	4
4045	LOAD	X	301 401	0.00	108	5.70	124	GLOB UNIF	WV 0	4
4046	LOAD	Y	301 401	0.00	187	5.70	215	GLOB UNIF	WV 0	4
4047	LOAD	X	301 401	5.70	124	5.70	127	GLOB UNIF	WV 0	4
4048	LOAD	Y	301 401	5.70	215	5.70	219	GLOB UNIF	WV 0	4
4049	LOAD	X	301 401	11.40	127	5.70	125	GLOB UNIF	WV 0	4
4050	LOAD	Y	301 401	11.40	219	5.70	213	GLOB UNIF	WV 0	4
4051	LOAD	X	301 401	17.10	125	5.70	96	GLOB UNIF	WV 0	4
4052	LOAD	Y	301 401	17.10	213	5.70	167	GLOB UNIF	WV 0	4
4053	LOAD	X	301 401	22.80	96	5.70	77	GLOB UNIF	WV 0	4
4054	LOAD	Y	301 401	22.80	167	5.70	133	GLOB UNIF	WV 0	4
4055	LOAD	X	303 403	0.00	94	5.70	115	GLOB UNIF	WV 0	4
4056	LOAD	Y	303 403	0.00	164	5.70	199	GLOB UNIF	WV 0	4
4057	LOAD	X	303 403	5.70	115	5.70	115	GLOB UNIF	WV 0	4
4058	LOAD	Y	303 403	5.70	199	5.70	199	GLOB UNIF	WV 0	4
4059	LOAD	X	303 403	11.40	115	5.70	109	GLOB UNIF	WV 0	4
4060	LOAD	Y	303 403	11.40	199	5.70	189	GLOB UNIF	WV 0	4
4061	LOAD	X	303 403	17.10	109	5.70	85	GLOB UNIF	WV 0	4
4062	LOAD	Y	303 403	17.10	189	5.70	148	GLOB UNIF	WV 0	4
4063	LOAD	X	303 403	22.80	85	5.70	68	GLOB UNIF	WV 0	4
4064	LOAD	Y	303 403	22.80	148	5.70	118	GLOB UNIF	WV 0	4
4065	LOAD	X	306 406	1.52	37	4.50	98	GLOB UNIF	WV 0	4
4066	LOAD	Y	306 406	1.52	64	4.50	170	GLOB UNIF	WV 0	4
4067	LOAD	X	306 406	6.02	98	4.50	108	GLOB UNIF	WV 0	4

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4068   LOAD Y  506 406    6.02   170   4.50   187             GLOB UNIF    WV 0 4
  4069   LOAD X  506 406   10.51   108   4.50   117             GLOB UNIF    WV 0 4
  4070   LOAD Y  506 406   10.51   187   4.50   203             GLOB UNIF    WV 0 4
  4071   LOAD X  506 406   15.01   117   4.50   106             GLOB UNIF    WV 0 4
  4072   LOAD Y  506 406   15.01   203   4.50   185             GLOB UNIF    WV 0 4
  4073   LOAD X  506 406   19.51   106   4.50    89             GLOB UNIF    WV 0 4
  4074   LOAD Y  505 406   19.51   185   4.50   154             GLOB UNIF    WV 0 4
  4075   LOAD X  506 406   24.00    89   4.50    77             GLOB UNIF    WV 0 4
  4076   LOAD Y  505 405   24.00   154   4.50   133             GLOB UNIF    WV 0 4
  4077   LOAD X  401 501    0.00   117    .91   114             GLOB UNIF    WV 0 4
  4078   LOAD Y  401 501    0.00   231    .91   227             GLOB UNIF    WV 0 4
  4079   LOAD Z  401 501    0.00-   03    .91-   03             GLOB UNIF    WV 0 4
  4080   LOAD X  401 501     .91   114    .91   112             GLOB UNIF    WV 0 4
  4081   LOAD Y  401 501     .91   227    .91   222             GLOB UNIF    WV 0 4
  4082   LOAD Z  401 501     .91-   03    .91-   03             GLOB UNIF    WV 0 4
  4083   LOAD X  401 501    1.83   112    .91   109             GLOB UNIF    WV 0 4
  4084   LOAD Y  401 501    1.83   222    .91   217             GLOB UNIF    WV 0 4
  4085   LOAD Z  401 501    1.83-   03    .91-   03             GLOB UNIF    WV 0 4
  4086   LOAD X  401 501    2.74   109    .91   106             GLOB UNIF    WV 0 4
  4087   LOAD Y  401 501    2.74   217    .91   212             GLOB UNIF    WV 0 4
  4088   LOAD Z  401 501    2.74-   03    .91-   02             GLOB UNIF    WV 0 4
  4089   LOAD X  401 501    3.65   106    .91   104             GLOB UNIF    WV 0 4
  4090   LOAD Y  401 501    3.65   212    .91   207             GLOB UNIF    WV 0 4
  4091   LOAD Z  401 501    3.65-   02    .91-   02             GLOB UNIF    WV 0 4
  4092   LOAD X  403 503    0.00   115    .91   113             GLOB UNIF    WV 0 4
  4093   LOAD Y  403 503    0.00   188    .91   184             GLOB UNIF    WV 0 4
  4094   LOAD Z  403 503    0.00-   32    .91-   32             GLOB UNIF    WV 0 4
  4095   LOAD X  403 503     .91   113    .91   110             GLOB UNIF    WV 0 4
  4096   LOAD Y  403 503     .91   184    .91   180             GLOB UNIF    WV 0 4
  4097   LOAD Z  403 503     .91-   32    .91-   31             GLOB UNIF    WV 0 4
  4098   LOAD X  403 503    1.83   110    .91   108             GLOB UNIF    WV 0 4
  4099   LOAD Y  403 503    1.83   180    .91   176             GLOB UNIF    WV 0 4
  4100   LOAD Z  403 503    1.83-   31    .91-   30             GLOB UNIF    WV 0 4
  4101   LOAD X  403 503    2.74   108    .91   105             GLOB UNIF    WV 0 4
  4102   LOAD Y  403 503    2.74   176    .91   172             GLOB UNIF    WV 0 4
  4103   LOAD Z  403 503    2.74-   30    .91-   30             GLOB UNIF    WV 0 4
  4104   LOAD X  403 503    3.65   105    .91   103             GLOB UNIF    WV 0 4
  4105   LOAD Y  403 503    3.65   172    .91   168             GLOB UNIF    WV 0 4
  4106   LOAD Z  403 503    3.65-   30    .91-   29             GLOB UNIF    WV 0 4
  4107   LOAD X  406 506    0.00   136    .91   134             GLOB UNIF    WV 0 4
  4108   LOAD Y  406 506    0.00   221    .91   216             GLOB UNIF    WV 0 4
  4109   LOAD Z  406 506    0.00    37    .91    36             GLOB UNIF    WV 0 4
  4110   LOAD X  406 506     .91   134    .91   131             GLOB UNIF    WV 0-4
  4111   LOAD Y  406 506     .91   216    .91   212             GLOB UNIF    WV 0 4
  4112   LOAD Z  406 506     .91    36    .91    35             GLOB UNIF    WV 0 4
  4113   LOAD X  406 506    1.82   131    .91   128             GLOB UNIF    WV 0 4
  4114   LOAD Y  406 506    1.82   212    .91   207             GLOB UNIF    WV 0 4
  4115   LOAD Z  406 506    1.82    35    .91    34             GLOB UNIF    WV 0 4
  4116   LOAD X  406 506    2.74   128    .91   125             GLOB UNIF    WV 0 4
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

4117	LOAD Y	406 506	2.74	207	.91	202	GLOB UNIF	WV 0 4
4118	LOAD Z	406 506	2.74	34	.91	34	GLOB UNIF	WV 0 4
4119	LOAD X	406 506	3.65	125	.91	122	GLOB UNIF	WV 0 4
4120	LOAD Y	406 506	3.65	202	.91	198	GLOB UNIF	WV 0 4
4121	LOAD Z	406 506	3.65	34	.91	33	GLOB UNIF	WV 0 4
4122	LOAD X	501 601	0.00	103	1.22	99	GLOB UNIF	WV 0 4
4123	LOAD Y	501 601	0.00	205	1.22	198	GLOB UNIF	WV 0 4
4124	LOAD Z	501 601	0.00-	02	1.22-	02	GLOB UNIF	WV 0 4
4125	LOAD X	501 601	1.22	99	1.22	96	GLOB UNIF	WV 0 4
4126	LOAD Y	501 601	1.22	198	1.22	192	GLOB UNIF	WV 0 4
4127	LOAD Z	501 601	1.22-	02	1.22-	02	GLOB UNIF	WV 0 4
4128	LOAD X	501 601	2.43	96	1.22	93	GLOB UNIF	WV 0 4
4129	LOAD Y	501 601	2.43	192	1.22	187	GLOB UNIF	WV 0 4
4130	LOAD Z	501 601	2.43-	02	1.22-	02	GLOB UNIF	WV 0 4
4131	LOAD X	501 601	3.65	93	1.22	91	GLOB UNIF	WV 0 4
4132	LOAD Y	501 601	3.65	187	1.22	182	GLOB UNIF	WV 0 4
4133	LOAD Z	501 601	3.65-	02	1.22-	02	GLOB UNIF	WV 0 4
4134	LOAD X	501 601	4.87	91	1.22	88	GLOB UNIF	WV 0 4
4135	LOAD Y	501 601	4.87	182	1.22	178	GLOB UNIF	WV 0 4
4136	LOAD Z	501 601	4.87-	02	1.22-	02	GLOB UNIF	WV 0 4
4137	LOAD X	503 603	0.00	102	1.22	98	GLOB UNIF	WV 0 4
4138	LOAD Y	503 603	0.00	166	1.22	161	GLOB UNIF	WV 0 4
4139	LOAD Z	503 603	0.00-	28	1.22-	27	GLOB UNIF	WV 0 4
4140	LOAD X	503 603	1.22	98	1.22	95	GLOB UNIF	WV 0 4
4141	LOAD Y	503 603	1.22	161	1.22	156	GLOB UNIF	WV 0 4
4142	LOAD Z	503 603	1.22-	27	1.22-	27	GLOB UNIF	WV 0 4
4143	LOAD X	503 603	2.43	95	1.22	93	GLOB UNIF	WV 0 4
4144	LOAD Y	503 603	2.43	156	1.22	151	GLOB UNIF	WV 0 4
4145	LOAD Z	503 603	2.43-	27	1.22-	26	GLOB UNIF	WV 0 4
4146	LOAD X	503 603	3.65	93	1.22	90	GLOB UNIF	WV 0 4
4147	LOAD Y	503 603	3.65	151	1.22	147	GLOB UNIF	WV 0 4
4148	LOAD Z	503 603	3.65-	26	1.22-	25	GLOB UNIF	WV 0 4
4149	LOAD X	503 603	4.87	90	1.22	88	GLOB UNIF	WV 0 4
4150	LOAD Y	503 603	4.87	147	1.22	143	GLOB UNIF	WV 0 4
4151	LOAD Z	503 603	4.87-	25	1.22-	25	GLOB UNIF	WV 0 4
4152	LOAD X	506 606	0.00	121	1.22	117	GLOB UNIF	WV 0 4
4153	LOAD Y	506 606	0.00	195	1.22	189	GLOB UNIF	WV 0 4
4154	LOAD Z	506 606	0.00	32	1.22	31	GLOB UNIF	WV 0 4
4155	LOAD X	506 606	1.22	117	1.22	113	GLOB UNIF	WV 0 4
4156	LOAD Y	506 606	1.22	189	1.22	183	GLOB UNIF	WV 0 4
4157	LOAD Z	506 606	1.22	31	1.22	30	GLOB UNIF	WV 0 4
4158	LOAD X	506 606	2.43	113	1.22	110	GLOB UNIF	WV 0 4
4159	LOAD Y	506 606	2.43	183	1.22	176	GLOB UNIF	WV 0 4
4160	LOAD Z	506 606	2.43	30	1.22	30	GLOB UNIF	WV 0 4
4161	LOAD X	506 606	3.65	110	1.22	106	GLOB UNIF	WV 0 4
4162	LOAD Y	506 606	3.65	178	1.22	174	GLOB UNIF	WV 0 4
4163	LOAD Z	506 606	3.65	30	1.22	29	GLOB UNIF	WV 0 4
4164	LOAD X	506 606	4.87	108	1.22	105	GLOB UNIF	WV 0 4
4165	LOAD Y	506 606	4.87	174	1.22	170	GLOB UNIF	WV 0 4

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                          1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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4166	LOAD	Z	506	606	4.87	29	1.22	28	GLOB	UNIF	WV	0 4
4167	LOAD	X	601	651	0.00	88	1.22	86	GLOB	UNIF	WV	0 4
4168	LOAD	Y	601	651	0.00	170	1.22	175	GLOB	UNIF	WV	0 4
4169	LOAD	Z	601	651	0.00-	02	1.22-	02	GLOB	UNIF	WV	0 4
4170	LOAD	X	601	651	1.22	86	1.22	84	GLOB	UNIF	WV	0 4
4171	LOAD	Y	601	651	1.22	175	1.22	169	GLOB	UNIF	WV	0 4
4172	LOAD	Z	601	651	1.22-	02	1.22-	02	GLOB	UNIF	WV	0 4
4173	LOAD	X	601	651	2.43	84	1.22	81	GLOB	UNIF	WV	0 4
4174	LOAD	Y	601	651	2.43	169	1.22	165	GLOB	UNIF	WV	0 4
4175	LOAD	Z	601	651	2.43-	02	1.22-	02	GLOB	UNIF	WV	0 4
4176	LOAD	X	601	651	3.05	81	1.22	79	GLOB	UNIF	WV	0 4
4177	LOAD	Y	601	651	3.05	165	1.22	160	GLOB	UNIF	WV	0 4
4178	LOAD	Z	601	651	3.05-	02	1.22-	02	GLOB	UNIF	WV	0 4
4179	LOAD	X	601	651	4.87	79	1.22	77	GLOB	UNIF	WV	0 4
4180	LOAD	Y	601	651	4.87	160	1.22	156	GLOB	UNIF	WV	0 4
4181	LOAD	Z	601	651	4.87-	02	1.22-	02	GLOB	UNIF	WV	0 4
4182	LOAD	X	603	653	0.00	88	1.22	86	GLOB	UNIF	WV	0 4
4183	LOAD	Y	603	653	0.00	143	1.22	139	GLOB	UNIF	WV	0 4
4184	LOAD	Z	603	653	0.00-	25	1.22-	24	GLOB	UNIF	WV	0 4
4185	LOAD	X	603	653	1.22	86	1.22	83	GLOB	UNIF	WV	0 4
4186	LOAD	Y	603	653	1.22	139	1.22	136	GLOB	UNIF	WV	0 4
4187	LOAD	Z	603	653	1.22-	24	1.22-	23	GLOB	UNIF	WV	0 4
4188	LOAD	X	603	653	2.43	83	1.22	81	GLOB	UNIF	WV	0 4
4189	LOAD	Y	603	653	2.43	136	1.22	132	GLOB	UNIF	WV	0 4
4190	LOAD	Z	603	653	2.43-	23	1.22-	23	GLOB	UNIF	WV	0 4
4191	LOAD	X	603	653	3.05	81	1.22	79	GLOB	UNIF	WV	0 4
4192	LOAD	Y	603	653	3.05	132	1.22	128	GLOB	UNIF	WV	0 4
4193	LOAD	Z	603	653	3.05-	23	1.22-	22	GLOB	UNIF	WV	0 4
4194	LOAD	X	603	653	4.87	79	1.22	77	GLOB	UNIF	WV	0 4
4195	LOAD	Y	603	653	4.87	128	1.22	124	GLOB	UNIF	WV	0 4
4196	LOAD	Z	603	653	4.87-	22	1.22-	21	GLOB	UNIF	WV	0 4
4197	LOAD	X	606	656	0.00	105	1.22	103	GLOB	UNIF	WV	0 4
4198	LOAD	Y	606	656	0.00	170	1.22	166	GLOB	UNIF	WV	0 4
4199	LOAD	Z	606	656	0.00	28	1.22	28	GLOB	UNIF	WV	0 4
4200	LOAD	X	606	656	1.22	103	1.22	101	GLOB	UNIF	WV	0 4
4201	LOAD	Y	606	656	1.22	166	1.22	162	GLOB	UNIF	WV	0 4
4202	LOAD	Z	606	656	1.22	28	1.22	27	GLOB	UNIF	WV	0 4
4203	LOAD	X	606	656	2.43	101	1.22	98	GLOB	UNIF	WV	0 4
4204	LOAD	Y	606	656	2.43	162	1.22	158	GLOB	UNIF	WV	0 4
4205	LOAD	Z	606	656	2.43	27	1.22	26	GLOB	UNIF	WV	0 4
4206	LOAD	X	606	656	3.05	98	1.22	96	GLOB	UNIF	WV	0 4
4207	LOAD	Y	606	656	3.05	158	1.22	154	GLOB	UNIF	WV	0 4
4208	LOAD	Z	606	656	3.05	26	1.22	26	GLOB	UNIF	WV	0 4
4209	LOAD	X	606	656	4.87	96	1.22	93	GLOB	UNIF	WV	0 4
4210	LOAD	Y	606	656	4.87	154	1.22	150	GLOB	UNIF	WV	0 4
4211	LOAD	Z	606	656	4.87	26	1.22	25	GLOB	UNIF	WV	0 4
4212	LOAD	X	651	651	0.00	111	1.22	108	GLOB	UNIF	WV	0 4
4213	LOAD	Y	651	651	0.00	236	1.22	232	GLOB	UNIF	WV	0 4
4214	LOAD	Z	651	651	0.00-	04	1.22-	04	GLOB	UNIF	WV	0 4

3-PILE ACPR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
4215	LOAD X	651	651	1.22	106	1.22	106	GLOB	UNIF	WV	0 4
4216	LOAD Y	651	651	1.22	232	1.22	227	GLOB	UNIF	WV	0 4
4217	LOAD Z	651	651	1.22-	04	1.22-	04	GLOB	UNIF	WV	0 4
4218	LOAD X	651	651	2.45	106	1.22	103	GLOB	UNIF	WV	0 4
4219	LOAD Y	651	651	2.45	227	1.22	222	GLOB	UNIF	WV	0 4
4220	LOAD Z	651	651	2.45-	04	1.22-	04	GLOB	UNIF	WV	0 4
4221	LOAD X	651	651	3.65	103	1.22	101	GLOB	UNIF	WV	0 4
4222	LOAD Y	651	651	3.65	222	1.22	218	GLOB	UNIF	WV	0 4
4223	LOAD Z	651	651	3.65-	04	1.22-	04	GLOB	UNIF	WV	0 4
4224	LOAD X	651	651	4.87	101	1.22	99	GLOB	UNIF	WV	0 4
4225	LOAD Y	651	651	4.87	218	1.22	213	GLOB	UNIF	WV	0 4
4226	LOAD Z	651	651	4.87-	04	1.22-	04	GLOB	UNIF	WV	0 4
4227	LOAD X	653	653	0.00	112	1.22	109	GLOB	UNIF	WV	0 4
4228	LOAD Y	653	653	0.00	175	1.22	170	GLOB	UNIF	WV	0 4
4229	LOAD Z	653	653	0.00-	31	1.22-	30	GLOB	UNIF	WV	0 4
4230	LOAD X	653	653	1.22	109	1.22	106	GLOB	UNIF	WV	0 4
4231	LOAD Y	653	653	1.22	170	1.22	165	GLOB	UNIF	WV	0 4
4232	LOAD Z	653	653	1.22-	30	1.22-	29	GLOB	UNIF	WV	0 4
4233	LOAD X	653	653	2.45	106	1.22	103	GLOB	UNIF	WV	0 4
4234	LOAD Y	653	653	2.45	165	1.22	161	GLOB	UNIF	WV	0 4
4235	LOAD Z	653	653	2.45-	29	1.22-	28	GLOB	UNIF	WV	0 4
4236	LOAD X	653	653	3.65	103	1.22	101	GLOB	UNIF	WV	0 4
4237	LOAD Y	653	653	3.65	161	1.22	157	GLOB	UNIF	WV	0 4
4238	LOAD Z	653	653	3.65-	28	1.22-	27	GLOB	UNIF	WV	0 4
4239	LOAD X	653	653	4.87	101	1.22	98	GLOB	UNIF	WV	0 4
4240	LOAD Y	653	653	4.87	157	1.22	153	GLOB	UNIF	WV	0 4
4241	LOAD Z	653	653	4.87-	27	1.22-	27	GLOB	UNIF	WV	0 4
4242	LOAD X	656	656	0.00	150	1.22	147	GLOB	UNIF	WV	0 4
4243	LOAD Y	656	656	0.00	237	1.22	231	GLOB	UNIF	WV	0 4
4244	LOAD Z	656	656	0.00	39	1.22	38	GLOB	UNIF	WV	0 4
4245	LOAD X	656	656	1.22	147	1.22	144	GLOB	UNIF	WV	0 4
4246	LOAD Y	656	656	1.22	231	1.22	226	GLOB	UNIF	WV	0 4
4247	LOAD Z	656	656	1.22	38	1.22	38	GLOB	UNIF	WV	0 4
4248	LOAD X	656	656	2.45	144	1.22	141	GLOB	UNIF	WV	0 4
4249	LOAD Y	656	656	2.45	226	1.22	221	GLOB	UNIF	WV	0 4
4250	LOAD Z	656	656	2.45	38	1.22	37	GLOB	UNIF	WV	0 4
4251	LOAD X	656	656	3.65	141	1.22	138	GLOB	UNIF	WV	0 4
4252	LOAD Y	656	656	3.65	221	1.22	217	GLOB	UNIF	WV	0 4
4253	LOAD Z	656	656	3.65	37	1.22	36	GLOB	UNIF	WV	0 4
4254	LOAD X	656	656	4.87	138	1.22	135	GLOB	UNIF	WV	0 4
4255	LOAD Y	656	656	4.87	217	1.22	212	GLOB	UNIF	WV	0 4
4256	LOAD Z	656	656	4.87	36	1.22	35	GLOB	UNIF	WV	0 4
4257	LOAD X	651	701	0.00	99	1.42	96	GLOB	UNIF	WV	0 4
4258	LOAD Y	651	701	0.00	213	1.42	207	GLOB	UNIF	WV	0 4
4259	LOAD Z	651	701	0.00-	03	1.42-	03	GLOB	UNIF	WV	0 4
4260	LOAD X	651	701	1.42	96	1.42	93	GLOB	UNIF	WV	0 4
4261	LOAD Y	651	701	1.42	207	1.42	202	GLOB	UNIF	WV	0 4
4262	LOAD Z	651	701	1.42-	03	1.42-	03	GLOB	UNIF	WV	0 4
4263	LOAD X	651	701	2.84	93	1.42	91	GLOB	UNIF	WV	0 4

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
4264	LOAD Y	651	701	2.84	202	1.42	196	GLOB UNIF	WV	0 4
4265	LOAD Z	651	701	2.84-	03	1.42-	03	GLOB UNIF	WV	0 4
4266	LOAD X	651	701	4.25	91	1.42	88	GLOB UNIF	WV	0 4
4267	LOAD Y	651	701	4.26	190	1.42	191	GLOB UNIF	WV	0 4
4268	LOAD Z	651	701	4.26-	03	1.42-	03	GLOB UNIF	WV	0 4
4269	LOAD X	651	701	5.68	88	1.42	86	GLOB UNIF	WV	0 4
4270	LOAD Y	651	701	5.68	191	1.42	187	GLOB UNIF	WV	0 4
4271	LOAD Z	651	701	5.68-	03	1.42-	03	GLOB UNIF	WV	0 4
4272	LOAD X	653	703	0.00	98	1.42	95	GLOB UNIF	WV	0 4
4273	LOAD Y	653	703	0.00	153	1.42	148	GLOB UNIF	WV	0 4
4274	LOAD Z	653	703	0.00-	27	1.42-	26	GLOB UNIF	WV	0 4
4275	LOAD X	653	703	1.42	95	1.42	92	GLOB UNIF	WV	0 4
4276	LOAD Y	653	703	1.42	140	1.42	143	GLOB UNIF	WV	0 4
4277	LOAD Z	653	703	1.42-	26	1.42-	25	GLOB UNIF	WV	0 4
4278	LOAD X	653	703	2.84	92	1.42	89	GLOB UNIF	WV	0 4
4279	LOAD Y	653	703	2.84	143	1.42	138	GLOB UNIF	WV	0 4
4280	LOAD Z	653	703	2.84-	25	1.42-	24	GLOB UNIF	WV	0 4
4281	LOAD X	653	703	4.25	89	1.42	87	GLOB UNIF	WV	0 4
4282	LOAD Y	653	703	4.26	138	1.42	134	GLOB UNIF	WV	0 4
4283	LOAD Z	653	703	4.26-	24	1.42-	24	GLOB UNIF	WV	0 4
4284	LOAD X	653	703	5.68	87	1.42	84	GLOB UNIF	WV	0 4
4285	LOAD Y	653	703	5.68	134	1.42	130	GLOB UNIF	WV	0 4
4286	LOAD Z	653	703	5.68-	24	1.42-	23	GLOB UNIF	WV	0 4
4287	LOAD X	656	706	0.00	135	1.42	131	GLOB UNIF	WV	0 4
4288	LOAD Y	656	706	0.00	212	1.42	206	GLOB UNIF	WV	0 4
4289	LOAD Z	656	706	0.00	35	1.42	34	GLOB UNIF	WV	0 4
4290	LOAD X	656	706	1.42	131	1.42	128	GLOB UNIF	WV	0 4
4291	LOAD Y	656	706	1.42	206	1.42	201	GLOB UNIF	WV	0 4
4292	LOAD Z	656	706	1.42	34	1.42	34	GLOB UNIF	WV	0 4
4293	LOAD X	656	706	2.84	128	1.42	125	GLOB UNIF	WV	0 4
4294	LOAD Y	656	706	2.84	201	1.42	195	GLOB UNIF	WV	0 4
4295	LOAD Z	656	706	2.84	34	1.42	33	GLOB UNIF	WV	0 4
4296	LOAD X	656	706	4.25	125	1.42	121	GLOB UNIF	WV	0 4
4297	LOAD Y	656	706	4.26	195	1.42	190	GLOB UNIF	WV	0 4
4298	LOAD Z	656	706	4.26	33	1.42	32	GLOB UNIF	WV	0 4
4299	LOAD X	656	706	5.68	121	1.42	119	GLOB UNIF	WV	0 4
4300	LOAD Y	656	706	5.68	190	1.42	186	GLOB UNIF	WV	0 4
4301	LOAD Z	656	706	5.68	32	1.42	31	GLOB UNIF	WV	0 4
4302	LOAD X	701	801	0.00	83	6.89	73	GLOB UNIF	WV	0 4
4303	LOAD Y	701	801	0.00	170	6.89	156	GLOB UNIF	WV	0 4
4304	LOAD Z	701	801	0.00-	03	6.89-	02	GLOB UNIF	WV	0 4
4305	LOAD X	701	801	6.89	73	6.89	67	GLOB UNIF	WV	0 4
4306	LOAD Y	701	801	6.89	156	6.89	141	GLOB UNIF	WV	0 4
4307	LOAD Z	701	801	6.89-	02	6.89-	02	GLOB UNIF	WV	0 4
4308	LOAD X	701	801	13.79	67	6.89	61	GLOB UNIF	WV	0 4
4309	LOAD Y	701	801	13.79	141	6.89	127	GLOB UNIF	WV	0 4
4310	LOAD Z	701	801	13.79-	02	6.89-	02	GLOB UNIF	WV	0 4
4311	LOAD X	701	801	20.68	61	6.89	55	GLOB UNIF	WV	0 4
4312	LOAD Y	701	801	20.68	127	6.89	113	GLOB UNIF	WV	0 4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   4362  LOAD X 5011001    19.15      45   3.83      45                GLOB UNIF    WV 0 4
   4363  LOAD Y 5011001    19.15      85   3.83      85                GLOB UNIF    WV 0 4
   4364  LOAD X 5011001    22.98      45   3.83      39                GLOB UNIF    WV 0 4
   4365  LOAD Y 5011001    22.98      85   3.83      64                GLOB UNIF    WV 0 4
   4366  LOAD X 5011001    26.81      39   3.83      25                GLOB UNIF    WV 0 4
   4367  LOAD Y 5011001    26.81      64   3.83      41                GLOB UNIF    WV 0 4
   4368  LOAD X 5011001    30.64      25   3.83      10                GLOB UNIF    WV 0 4
   4369  LOAD Y 5011001    30.64      41   3.83      17                GLOB UNIF    WV 0 4
   4370  LOAD X 6051003     0.00      43   4.31      40                GLOB UNIF    WV 0 4
   4371  LOAD Y 6051003     0.00      69   4.31      64                GLOB UNIF    WV 0 4
   4372  LOAD Z 6051003     0.00-     12   4.31-     11                GLOB UNIF    WV 0 4
   4373  LOAD X 6051003     4.31      40   4.31      37                GLOB UNIF    WV 0 4
   4374  LOAD Y 6051003     4.31      64   4.31      60                GLOB UNIF    WV 0 4
   4375  LOAD Z 6051003     4.31-     11   4.31-     10                GLOB UNIF    WV 0 4
   4376  LOAD X 6051003     8.62      37   4.31      34                GLOB UNIF    WV 0 4
   4377  LOAD Y 6051003     8.62      60   4.31      56                GLOB UNIF    WV 0 4
   4378  LOAD Z 6051003     8.62-     10   4.31-     10                GLOB UNIF    WV 0 4
   4379  LOAD X 6051003    12.93      34   4.31      31                GLOB UNIF    WV 0 4
   4380  LOAD Y 6051003    12.93      56   4.31      52                GLOB UNIF    WV 0 4
   4381  LOAD Z 6051003    12.93-     10   4.31-     09                GLOB UNIF    WV 0 4
   4382  LOAD X 6051003    17.23      31   4.31      29                GLOB UNIF    WV 0 4
   4383  LOAD Y 6051003    17.23      52   4.31      50                GLOB UNIF    WV 0 4
   4384  LOAD Z 6051003    17.23-     09   4.31-     08                GLOB UNIF    WV 0 4
   4385  LOAD X 6051003    21.54      29   4.31      23                GLOB UNIF    WV 0 4
   4386  LOAD Y 6051003    21.54      50   4.31      39                GLOB UNIF    WV 0 4
   4387  LOAD Z 6051003    21.54-     08   4.31-     07                GLOB UNIF    WV 0 4
   4388  LOAD X 6051003    25.85      23   4.31      07                GLOB UNIF    WV 0 4
   4389  LOAD Y 6051003    25.85      39   4.31      11                GLOB UNIF    WV 0 4
   4390  LOAD Z 6051003    25.85-     07   4.31-     02                GLOB UNIF    WV 0 4
   4391  LOAD X 6051003    30.16      07   1.91                          GLOB UNIF    WV 0 4
   4392  LOAD X 6051003    32.07           2.40-     09                GLOB UNIF    WV 0 4
   4393  LOAD Y 6051003    30.16      11   1.81                          GLOB UNIF    WV 0 4
   4394  LOAD Y 6051003    31.97           2.50-     16                GLOB UNIF    WV 0 4
   4395  LOAD Z 6051003    30.16-     02   1.87                          GLOB UNIF    WV 0 4
   4396  LOAD Z 6051003    32.03           2.44      03                GLOB UNIF    WV 0 4
   4397  LOAD X 6061006     0.00      69   4.92      66                GLOB UNIF    WV 0 4
   4398  LOAD Y 6061006     0.00     111   4.92     106                GLOB UNIF    WV 0 4
   4399  LOAD Z 6061006     0.00      18   4.92      16                GLOB UNIF    WV 0 4
   4400  LOAD X 6061006     4.92      66   4.92      63                GLOB UNIF    WV 0 4
   4401  LOAD Y 6061006     4.92     106   4.92     102                GLOB UNIF    WV 0 4
   4402  LOAD Z 6061006     4.92      18   4.92      17                GLOB UNIF    WV 0 4
   4403  LOAD X 6061006     9.85      63   4.92      60                GLOB UNIF    WV 0 4
   4404  LOAD Y 6061006     9.85     102   4.92      97                GLOB UNIF    WV 0 4
   4405  LOAD Z 6061006     9.85      17   4.92      16                GLOB UNIF    WV 0 4
   4406  LOAD X 6061006    14.77      60   4.92      56                GLOB UNIF    WV 0 4
   4407  LOAD Y 6061006    14.77      97   4.92      94                GLOB UNIF    WV 0 4
   4408  LOAD Z 6061006    14.77      15   4.92      16                GLOB UNIF    WV 0 4
   4409  LOAD X 6061006    19.70      56   4.92      55                GLOB UNIF    WV 0 4
   4410  LOAD Y 6061006    19.70      94   4.92      90                GLOB UNIF    WV 0 4
```

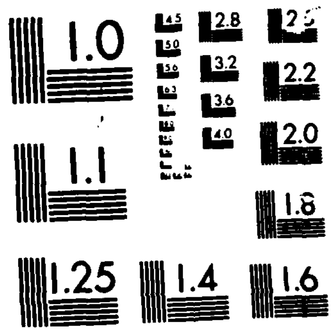
S-PILE ACYR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

LINE NO.										
4411	LOAD Z	0051006	19.70	16	4.92	15		GLOB UNIF	WV 0 4
4412	LOAD X	0051006	24.62	55	4.92	36		GLOB UNIF	WV 0 4
4413	LOAD Y	0051005	24.62	40	4.92	64		GLOB UNIF	WV 0 4
4414	LOAD Z	0051006	24.62	15	4.92	11		GLOB UNIF	WV 0 4
4415	LOAD X	0051006	29.54	36	4.92	22		GLOB UNIF	WV 0 4
4416	LOAD Y	0051006	29.54	64	4.92	37		GLOB UNIF	WV 0 4
4417	LOAD Z	0051006	29.54	11	4.92	06		GLOB UNIF	WV 0 4
4418	LOADCOM	5							
4419	LOAD X	401 510	0.00-	390				GLOB CONC	WN 0 5
4420	LOAD Y	401 510					0.00-230476	GLOB MOMT	WN 0 5
4421	LOAD Y	401 510	0.00-	676				GLOB CONC	WN 0 5
4422	LOAD X	401 510					0.00 409508	GLOB MOMT	WN 0 5
4423	LOAD X	403 511	0.00-	390				GLOB CONC	WN 0 5
4424	LOAD Y	403 511					0.00-230476	GLOB MOMT	WN 0 5
4425	LOAD Y	403 511	0.00-	676				GLOB CONC	WN 0 5
4426	LOAD X	403 511					0.00 409508	GLOB MOMT	WN 0 5
4427	LOAD X	405 512	0.00-	390				GLOB CONC	WN 0 5
4428	LOAD Y	405 512					0.00-230476	GLOB MOMT	WN 0 5
4429	LOAD Y	405 512	0.00-	676				GLOB CONC	WN 0 5
4430	LOAD X	405 512					0.00 409508	GLOB MOMT	WN 0 5
4431	LOAD X	205 506	20.00-	16	2.56-	21		GLOB UNIF	WV 0 5
4432	LOAD Y	205 506	20.64-	31	2.56-	36		GLOB UNIF	WV 0 5
4433	LOAD Z	205 506	20.64-	70	2.56-	80		GLOB UNIF	WV 0 5
4434	LOAD X	205 506	23.20-	21	2.56-	22		GLOB UNIF	WV 0 5
4435	LOAD Y	205 506	23.20-	36	2.56-	39		GLOB UNIF	WV 0 5
4436	LOAD Z	205 506	23.20-	80	2.56-	86		GLOB UNIF	WV 0 5
4437	LOAD X	205 506	25.55-	22	2.56-	23		GLOB UNIF	WV 0 5
4438	LOAD Y	205 506	25.56-	39	2.56-	41		GLOB UNIF	WV 0 5
4439	LOAD Z	205 506	25.56-	86	2.56-	91		GLOB UNIF	WV 0 5
4440	LOAD X	205 506	27.92-	23	2.56-	23		GLOB UNIF	WV 0 5
4441	LOAD Y	205 506	27.92-	41	2.56-	40		GLOB UNIF	WV 0 5
4442	LOAD Z	205 506	27.92-	91	2.56-	49		GLOB UNIF	WV 0 5
4443	LOAD X	205 506	30.29-	23	2.56-	22		GLOB UNIF	WV 0 5
4444	LOAD Y	205 506	30.29-	40	2.56-	39		GLOB UNIF	WV 0 5
4445	LOAD Z	205 506	30.29-	49	2.56-	87		GLOB UNIF	WV 0 5
[illegible]	LOAD X	205 501	14.46-	136	3.04-	146		GLOB UNIF	WV 0 5
[illegible]	LOAD Y	205 501	14.46-	77	3.04-	86		GLOB UNIF	WV 0 5
[illegible]	LOAD Z	205 501	14.46-	02	2.50			GLOB UNIF	WV 0 5
[illegible]	LOAD Z	205 501	16.45		1.14	1		GLOB UNIF	WV 0 5
[illegible]	LOAD X	205 501	15.10-	140	3.04-	164		GLOB UNIF	WV 0 5
[illegible]	[illegible] Y	205 501	15.10-	86	3.04-	98		GLOB UNIF	WV 0 5
[illegible]	[illegible] Z	205 501	15.11	1	3.04	05		GLOB UNIF	WV 0 5
[illegible]	[illegible] X	[illegible] 501	21.73-	164	3.04-	180		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible] 501	21.73-	90	3.04-	110		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible]	21.73	05	3.04	10		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible]	25.37-	180	3.04-	186		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible]	25.37-	110	3.04-	117		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible]	25.37	10	3.04	14		GLOB UNIF	WV 0 5
[illegible]	[illegible]	[illegible]	29.01-	186	3.04-	196		GLOB UNIF	WV 0 5

AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 6/8

UNCLASSIFIED F/G 13/13 NL



MICROCOPY RESOLUTION TEST CHART

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

4460	LOAD	Y	200	501	29.01-	117	3.04-	123	GLOB	UNIF	WV	0	5
4461	LOAD	Z	200	501	29.01	14	3.04	17	GLOB	UNIF	WV	0	5
4462	LOAD	X	501	403	0.00-	32	6.15-	37	GLOB	UNIF	WV	0	5
4463	LOAD	Y	501	403	0.00-	145	6.15-	160	GLOB	UNIF	WV	0	5
4464	LOAD	Z	501	403	0.00	32	6.15	37	GLOB	UNIF	WV	0	5
4465	LOAD	X	501	403	6.15-	37	6.15-	39	GLOB	UNIF	WV	0	5
4466	LOAD	Y	501	403	6.15-	160	6.15-	165	GLOB	UNIF	WV	0	5
4467	LOAD	Z	501	403	6.15	37	6.15	40	GLOB	UNIF	WV	0	5
4468	LOAD	X	501	403	16.26-	39	6.15-	39	GLOB	UNIF	WV	0	5
4469	LOAD	Y	501	403	16.26-	165	6.15-	165	GLOB	UNIF	WV	0	5
4470	LOAD	Z	501	403	16.26	40	6.15	40	GLOB	UNIF	WV	0	5
4471	LOAD	X	501	403	24.40-	39	6.15-	30	GLOB	UNIF	WV	0	5
4472	LOAD	Y	501	403	24.40-	165	6.15-	127	GLOB	UNIF	WV	0	5
4473	LOAD	Z	501	403	24.40	40	6.15	31	GLOB	UNIF	WV	0	5
4474	LOAD	X	501	403	32.55-	30	6.15-	24	GLOB	UNIF	WV	0	5
4475	LOAD	Y	501	403	32.55-	127	6.15-	102	GLOB	UNIF	WV	0	5
4476	LOAD	Z	501	403	32.55	31	6.15	24	GLOB	UNIF	WV	0	5
4477	LOAD	Y	501	503	0.00-	116	2.59-	114	GLOB	UNIF	WV	0	5
4478	LOAD	Z	501	503	0.00-	12	2.59-	10	GLOB	UNIF	WV	0	5
4479	LOAD	Y	501	503	2.59-	114	2.59-	109	GLOB	UNIF	WV	0	5
4480	LOAD	Z	501	503	2.59-	10	2.59-	07	GLOB	UNIF	WV	0	5
4481	LOAD	Y	501	503	4.78-	109	2.59-	105	GLOB	UNIF	WV	0	5
4482	LOAD	Z	501	503	4.78-	07	2.59-	05	GLOB	UNIF	WV	0	5
4483	LOAD	Y	501	503	7.17-	105	2.59-	100	GLOB	UNIF	WV	0	5
4484	LOAD	Z	501	503	7.17-	05	2.59-	03	GLOB	UNIF	WV	0	5
4485	LOAD	Y	501	503	9.56-	100	2.59-	96	GLOB	UNIF	WV	0	5
4486	LOAD	Z	501	503	9.56-	03	2.59		GLOB	UNIF	WV	0	5
4487	LOAD	Y	501	503	11.94-	96	2.59-	91	GLOB	UNIF	WV	0	5
4488	LOAD	Z	501	503	12.15		2.16	02	GLOB	UNIF	WV	0	5
4489	LOAD	Y	501	503	14.33-	91	2.59-	87	GLOB	UNIF	WV	0	5
4490	LOAD	Z	501	503	14.33	02	2.59	04	GLOB	UNIF	WV	0	5
4491	LOAD	Y	501	503	16.72-	87	2.59-	82	GLOB	UNIF	WV	0	5
4492	LOAD	Z	501	503	16.72	04	2.59	07	GLOB	UNIF	WV	0	5
4493	LOAD	Y	501	503	19.11-	82	2.59-	66	GLOB	UNIF	WV	0	5
4494	LOAD	Z	501	503	19.11	07	2.59	09	GLOB	UNIF	WV	0	5
4495	LOAD	Y	501	503	21.50-	66	2.59		GLOB	UNIF	WV	0	5
4496	LOAD	Z	501	503	21.50	09	2.59		GLOB	UNIF	WV	0	5
4497	LOAD	Z	503	506	4.05	09	4.55		GLOB	UNIF	WV	0	5
4498	LOAD	Z	503	506	6.40		.64-	1	GLOB	UNIF	WV	0	5
4499	LOAD	Z	503	506	9.04-	1	4.99-	11	GLOB	UNIF	WV	0	5
4500	LOAD	Z	503	506	14.03-	11	4.99-	16	GLOB	UNIF	WV	0	5
4501	LOAD	Z	503	506	19.02-	16	4.99-	20	GLOB	UNIF	WV	0	5
4502	LOAD	Z	503	506	24.01-	20	4.99-	22	GLOB	UNIF	WV	0	5
4503	LOAD	X	501	506	0.00-	102	5.00-	105	GLOB	UNIF	WV	0	5
4504	LOAD	Y	501	506	0.00-	59	5.00-	60	GLOB	UNIF	WV	0	5
4505	LOAD	Z	501	506	0.00-	12	5.00-	15	GLOB	UNIF	WV	0	5
4506	LOAD	X	501	506	5.00-	105	5.00-	107	GLOB	UNIF	WV	0	5
4507	LOAD	Y	501	506	5.00-	60	5.00-	62	GLOB	UNIF	WV	0	5
4508	LOAD	Z	501	506	5.00-	15	5.00-	17	GLOB	UNIF	WV	0	5

3-PILE ACMW STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
4509	LOAD X	501 506	11.00=	107	5.00=	110	GLOB UNIF	WY	0	5
4510	LOAD Y	501 506	11.00=	62	5.00=	65	GLOB UNIF	WY	0	5
4511	LOAD Z	501 506	11.00=	17	5.00=	20	GLOB UNIF	WY	0	5
4512	LOAD X	501 506	17.40=	110	5.00=	106	GLOB UNIF	WY	0	5
4513	LOAD Y	501 506	17.40=	65	5.00=	61	GLOB UNIF	WY	0	5
4514	LOAD Z	501 506	17.40=	20	5.00=	21	GLOB UNIF	WY	0	5
4515	LOAD X	501 506	23.20=	106	5.00=	97	GLOB UNIF	WY	0	5
4516	LOAD Y	501 506	23.20=	61	5.00=	56	GLOB UNIF	WY	0	5
4517	LOAD Z	501 506	23.20=	21	5.00=	22	GLOB UNIF	WY	0	5
4518	LOAD Y	501 502	0.00=	61	3.03=	61	GLOB UNIF	WY	0	5
4519	LOAD Z	501 502	0.00=	69	3.03=	66	GLOB UNIF	WY	0	5
4520	LOAD Y	501 502	3.03=	61	3.03=	61	GLOB UNIF	WY	0	5
4521	LOAD Z	501 502	3.03=	66	3.03=	66	GLOB UNIF	WY	0	5
4522	LOAD Y	501 502	6.06=	61	3.03=	60	GLOB UNIF	WY	0	5
4523	LOAD Z	501 502	6.06=	66	3.03=	67	GLOB UNIF	WY	0	5
4524	LOAD Y	501 502	9.09=	60	3.03=	60	GLOB UNIF	WY	0	5
4525	LOAD Z	501 502	9.09=	67	3.03=	67	GLOB UNIF	WY	0	5
4526	LOAD Y	501 502	12.12=	60	3.03=	60	GLOB UNIF	WY	0	5
4527	LOAD Z	501 502	12.12=	67	3.03=	66	GLOB UNIF	WY	0	5
4528	LOAD Y	502 503	0.00=	60	3.03=	60	GLOB UNIF	WY	0	5
4529	LOAD Z	502 503	0.00=	66	3.03=	66	GLOB UNIF	WY	0	5
4530	LOAD Y	502 503	3.03=	60	3.03=	59	GLOB UNIF	WY	0	5
4531	LOAD Z	502 503	3.03=	66	3.03=	65	GLOB UNIF	WY	0	5
4532	LOAD Y	502 503	6.06=	59	3.03=	59	GLOB UNIF	WY	0	5
4533	LOAD Z	502 503	6.06=	65	3.03=	65	GLOB UNIF	WY	0	5
4534	LOAD Y	502 503	9.09=	59	3.03=	58	GLOB UNIF	WY	0	5
4535	LOAD Z	502 503	9.09=	65	3.03=	64	GLOB UNIF	WY	0	5
4536	LOAD Y	502 503	12.12=	58	3.03=	58	GLOB UNIF	WY	0	5
4537	LOAD Z	502 503	12.12=	64	3.03=	63	GLOB UNIF	WY	0	5
4538	LOAD Z	503 505	0.00=	63	3.03=	65	GLOB UNIF	WY	0	5
4539	LOAD Z	503 505	3.03=	65	3.03=	66	GLOB UNIF	WY	0	5
4540	LOAD Z	503 505	6.06=	66	3.03=	67	GLOB UNIF	WY	0	5
4541	LOAD Z	503 505	9.09=	67	3.03=	68	GLOB UNIF	WY	0	5
4542	LOAD Z	503 505	12.12=	68	3.03=	69	GLOB UNIF	WY	0	5
4543	LOAD Z	505 506	0.00=	69	3.03=	69	GLOB UNIF	WY	0	5
4544	LOAD Z	505 506	3.03=	69	3.03=	10	GLOB UNIF	WY	0	5
4545	LOAD Z	505 506	6.06=	10	3.03=	10	GLOB UNIF	WY	0	5
4546	LOAD Z	505 506	9.09=	10	3.03=	10	GLOB UNIF	WY	0	5
4547	LOAD Z	505 506	12.12=	10	3.03=	10	GLOB UNIF	WY	0	5
4548	LOAD X	501 504	0.00=	53	3.03=	53	GLOB UNIF	WY	0	5
4549	LOAD Y	501 504	0.00=	30	3.03=	30	GLOB UNIF	WY	0	5
4550	LOAD Z	501 504	0.00=	69	3.03=	69	GLOB UNIF	WY	0	5
4551	LOAD X	501 504	3.03=	53	3.03=	52	GLOB UNIF	WY	0	5
4552	LOAD Y	501 504	3.03=	30	3.03=	30	GLOB UNIF	WY	0	5
4553	LOAD Z	501 504	3.03=	69	3.03=	69	GLOB UNIF	WY	0	5
4554	LOAD X	501 504	6.06=	52	3.03=	52	GLOB UNIF	WY	0	5
4555	LOAD Y	501 504	6.06=	30	3.03=	30	GLOB UNIF	WY	0	5
4556	LOAD Z	501 504	6.06=	69	3.03=	69	GLOB UNIF	WY	0	5
4557	LOAD X	501 504	9.09=	52	3.03=	52	GLOB UNIF	WY	0	5

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                     1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   4558  LOAD Y  501 504    9.09-    30    3.03-    30                GLOB UNIF      WV 0 5
   4559  LOAD Z  501 504    9.09-    09    3.03-    10                GLOB UNIF      WV 0 5
   4560  LOAD X  501 504   12.12-    52    3.03-    52                GLOB UNIF      WV 0 5
   4561  LOAD Y  501 504   12.12-    30    3.03-    30                GLOB UNIF      WV 0 5
   4562  LOAD Z  501 504   12.12-    10    3.03-    10                GLOB UNIF      WV 0 5
   4563  LOAD X  504 506    0.00-    52    3.03-    52                GLOB UNIF      WV 0 5
   4564  LOAD Y  504 506    0.00-    30    3.03-    30                GLOB UNIF      WV 0 5
   4565  LOAD Z  504 506    0.00-    10    3.03-    10                GLOB UNIF      WV 0 5
   4566  LOAD X  504 506    3.03-    52    3.03-    51                GLOB UNIF      WV 0 5
   4567  LOAD Y  504 506    3.03-    30    3.03-    30                GLOB UNIF      WV 0 5
   4568  LOAD Z  504 506    3.03-    10    3.03-    10                GLOB UNIF      WV 0 5
   4569  LOAD X  504 506    6.06-    51    3.03-    51                GLOB UNIF      WV 0 5
   4570  LOAD Y  504 506    6.06-    30    3.03-    29                GLOB UNIF      WV 0 5
   4571  LOAD Z  504 506    6.06-    10    3.03-    10                GLOB UNIF      WV 0 5
   4572  LOAD X  504 506    9.09-    51    3.03-    50                GLOB UNIF      WV 0 5
   4573  LOAD Y  504 506    9.09-    29    3.03-    29                GLOB UNIF      WV 0 5
   4574  LOAD Z  504 506    9.09-    10    3.03-    10                GLOB UNIF      WV 0 5
   4575  LOAD X  504 506   12.12-    50    3.03-    50                GLOB UNIF      WV 0 5
   4576  LOAD Y  504 506   12.12-    29    3.03-    29                GLOB UNIF      WV 0 5
   4577  LOAD Z  504 506   12.12-    10    3.03-    10                GLOB UNIF      WV 0 5
   4578  LOAD Z  502 504    0.00-    02    3.03-    03                GLOB UNIF      WV 0 5
   4579  LOAD Z  502 504    3.03-    03    3.03-    03                GLOB UNIF      WV 0 5
   4580  LOAD Z  502 504    6.06-    03    3.03-    04                GLOB UNIF      WV 0 5
   4581  LOAD Z  502 504    9.09-    04    3.03-    04                GLOB UNIF      WV 0 5
   4582  LOAD Z  502 504   12.12-    04    3.03-    04                GLOB UNIF      WV 0 5
   4583  LOAD X  502 505    0.00-    34    3.03-    34                GLOB UNIF      WV 0 5
   4584  LOAD Y  502 505    0.00-    20    3.03-    20                GLOB UNIF      WV 0 5
   4585  LOAD Z  502 505    0.00-    02    3.03-    03                GLOB UNIF      WV 0 5
   4586  LOAD X  502 505    3.03-    34    3.03-    34                GLOB UNIF      WV 0 5
   4587  LOAD Y  502 505    3.03-    20    3.03-    20                GLOB UNIF      WV 0 5
   4588  LOAD Z  502 505    3.03-    03    3.03-    03                GLOB UNIF      WV 0 5
   4589  LOAD X  502 505    6.06-    34    3.03-    35                GLOB UNIF      WV 0 5
   4590  LOAD Y  502 505    6.06-    20    3.03-    20                GLOB UNIF      WV 0 5
   4591  LOAD Z  502 505    6.06-    03    3.03-    03                GLOB UNIF      WV 0 5
   4592  LOAD X  502 505    9.09-    35    3.03-    35                GLOB UNIF      WV 0 5
   4593  LOAD Y  502 505    9.09-    20    3.03-    20                GLOB UNIF      WV 0 5
   4594  LOAD Z  502 505    9.09-    03    3.03-    03                GLOB UNIF      WV 0 5
   4595  LOAD X  502 505   12.12-    35    3.03-    35                GLOB UNIF      WV 0 5
   4596  LOAD Y  502 505   12.12-    20    3.03-    20                GLOB UNIF      WV 0 5
   4597  LOAD Z  502 505   12.12-    03    3.03-    04                GLOB UNIF      WV 0 5
   4598  LOAD Y  504 505    0.00-    40    3.03-    40                GLOB UNIF      WV 0 5
   4599  LOAD Z  504 505    0.00-    04    3.03-    04                GLOB UNIF      WV 0 5
   4600  LOAD Y  504 505    3.03-    40    3.03-    40                GLOB UNIF      WV 0 5
   4601  LOAD Z  504 505    3.03-    04    3.03-    04                GLOB UNIF      WV 0 5
   4602  LOAD Y  504 505    6.06-    40    3.03-    40                GLOB UNIF      WV 0 5
   4603  LOAD Z  504 505    6.06-    04    3.03-    04                GLOB UNIF      WV 0 5
   4604  LOAD Y  504 505    9.10-    40    3.03-    40                GLOB UNIF      WV 0 5
   4605  LOAD Z  504 505    9.10-    04    3.03-    04                GLOB UNIF      WV 0 5
   4606  LOAD Y  504 505   12.13-    40    3.03-    40                GLOB UNIF      WV 0 5
```

S T R A N   I N   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0										
4007	LOAD Z	504 505	12.13-	04	3.03-	04	GLOB UNIF	WV	0	5	
4008	LOAD A	501 513	0.00-	20	.00-	20	GLOB UNIF	WV	0	5	
4009	LOAD Y	501 513	0.00-	45	.00-	45	GLOB UNIF	WV	0	5	
4010	LOAD Z	501 513	0.00-	05	.00-	05	GLOB UNIF	WV	0	5	
4011	LOAD A	501 513	.00-	20	.00-	20	GLOB UNIF	WV	0	5	
4012	LOAD Y	501 513	.60-	45	.00-	45	GLOB UNIF	WV	0	5	
4013	LOAD Z	501 513	.30-	05	.00-	05	GLOB UNIF	WV	0	5	
4014	LOAD A	501 513	1.20-	20	.00-	20	GLOB UNIF	WV	0	5	
4015	LOAD Y	501 513	1.20-	45	.00-	45	GLOB UNIF	WV	0	5	
4016	LOAD Z	501 513	1.20-	05	.00-	05	GLOB UNIF	WV	0	5	
4017	LOAD A	501 513	1.60-	20	.00-	20	GLOB UNIF	WV	0	5	
4018	LOAD Y	501 513	1.00-	45	.50-	45	GLOB UNIF	WV	0	5	
4019	LOAD Z	501 513	1.50-	05	.00-	05	GLOB UNIF	WV	0	5	
4020	LOAD A	501 513	2.39-	20	.00-	20	GLOB UNIF	WV	0	5	
4021	LOAD Y	501 513	2.39-	45	.00-	45	GLOB UNIF	WV	0	5	
4022	LOAD Z	501 513	2.39-	05	.00-	05	GLOB UNIF	WV	0	5	
4023	LOAD A	503 514	0.00	12	.00	12	GLOB UNIF	WV	0	5	
4024	LOAD Y	503 514	0.00-	21	.00-	21	GLOB UNIF	WV	0	5	
4025	LOAD Z	503 514	0.00-	1	.00-	1	GLOB UNIF	WV	0	5	
4026	LOAD A	503 514	.00	12	.00	12	GLOB UNIF	WV	0	5	
4027	LOAD Y	503 514	.00-	21	.00-	21	GLOB UNIF	WV	0	5	
4028	LOAD Z	503 514	.00-	1	.00-	1	GLOB UNIF	WV	0	5	
4029	LOAD A	503 514	1.20	12	.00	12	GLOB UNIF	WV	0	5	
4030	LOAD Y	503 514	1.20-	21	.00-	21	GLOB UNIF	WV	0	5	
4031	LOAD Z	503 514	1.20-	1	.00		GLOB UNIF	WV	0	5	
4032	LOAD A	503 514	1.00	12	.00	12	GLOB UNIF	WV	0	5	
4033	LOAD Y	503 514	1.00-	21	.00-	21	GLOB UNIF	WV	0	5	
4034	LOAD A	503 514	2.39	12	.00	12	GLOB UNIF	WV	0	5	
4035	LOAD Y	503 514	2.39-	21	.00-	20	GLOB UNIF	WV	0	5	
4036	LOAD A	513 631	0.00-	94	3.00-	86	GLOB UNIF	WV	0	5	
4037	LOAD Y	513 551	0.00-	165	3.60-	149	GLOB UNIF	WV	0	5	
4038	LOAD A	513 651	3.00-	80	3.00-	80	GLOB UNIF	WV	0	5	
4039	LOAD Y	513 651	3.00-	149	3.00-	130	GLOB UNIF	WV	0	5	
4040	LOAD A	513 651	7.20-	80	3.00-	74	GLOB UNIF	WV	0	5	
4041	LOAD Y	513 651	7.20-	130	3.00-	128	GLOB UNIF	WV	0	5	
4042	LOAD A	513 631	10.00-	74	3.00-	66	GLOB UNIF	WV	0	5	
4043	LOAD Y	513 551	10.00-	128	3.00-	118	GLOB UNIF	WV	0	5	
4044	LOAD A	513 651	14.40-	66	3.00-	64	GLOB UNIF	WV	0	5	
4045	LOAD Y	513 651	14.40-	118	3.00-	111	GLOB UNIF	WV	0	5	
4046	LOAD A	514 653	0.00-	97	3.00-	89	GLOB UNIF	WV	0	5	
4047	LOAD Y	514 653	0.00-	168	3.00-	153	GLOB UNIF	WV	0	5	
4048	LOAD A	514 653	3.60-	89	3.00-	85	GLOB UNIF	WV	0	5	
4049	LOAD Y	514 653	3.60-	153	3.00-	143	GLOB UNIF	WV	0	5	
4050	LOAD A	514 653	7.20-	85	3.00-	77	GLOB UNIF	WV	0	5	
4051	LOAD Y	514 653	7.20-	143	3.00-	133	GLOB UNIF	WV	0	5	
4052	LOAD A	514 653	10.80-	77	3.00-	72	GLOB UNIF	WV	0	5	
4053	LOAD Y	514 653	10.80-	133	3.00-	124	GLOB UNIF	WV	0	5	
4054	LOAD A	514 653	14.40-	72	3.00-	67	GLOB UNIF	WV	0	5	
4055	LOAD Y	514 653	14.40-	124	3.00-	116	GLOB UNIF	WV	0	5	

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4656   LOAD X  601 611   0.00-   27   1.20-   27                    GLOB UNIF    WV 0 5
  4657   LOAD Z  601 611   0.00-   06   1.20-   06                    GLOB UNIF    WV 0 5
  4658   LOAD X  601 611   1.20-   27   1.20-   26                    GLOB UNIF    WV 0 5
  4659   LOAD Z  601 611   1.20-   06   1.20-   06                    GLOB UNIF    WV 0 5
  4660   LOAD X  601 611   2.40-   26   1.20-   26                    GLOB UNIF    WV 0 5
  4661   LOAD Z  601 611   2.40-   06   1.20-   06                    GLOB UNIF    WV 0 5
  4662   LOAD X  601 611   3.60-   26   1.20-   26                    GLOB UNIF    WV 0 5
  4663   LOAD Z  601 611   3.60-   06   1.20-   05                    GLOB UNIF    WV 0 5
  4664   LOAD X  601 611   4.80-   26   1.20-   26                    GLOB UNIF    WV 0 5
  4665   LOAD Z  601 611   4.80-   05   1.20-   05                    GLOB UNIF    WV 0 5
  4666   LOAD X  603 613   0.00-   25   1.20-   25                    GLOB UNIF    WV 0 5
  4667   LOAD Z  603 613   0.00-   02   1.20-   02                    GLOB UNIF    WV 0 5
  4668   LOAD X  603 613   1.20-   25   1.20-   25                    GLOB UNIF    WV 0 5
  4669   LOAD Z  603 613   1.20-   02   1.20-   02                    GLOB UNIF    WV 0 5
  4670   LOAD X  603 613   2.40-   25   1.20-   24                    GLOB UNIF    WV 0 5
  4671   LOAD Z  603 613   2.40-   02   1.20-    1                    GLOB UNIF    WV 0 5
  4672   LOAD X  603 613   3.60-   24   1.20-   24                    GLOB UNIF    WV 0 5
  4673   LOAD Z  603 613   3.60-    1   1.20-    1                    GLOB UNIF    WV 0 5
  4674   LOAD X  603 613   4.80-   24   1.20-   24                    GLOB UNIF    WV 0 5
  4675   LOAD Z  603 613   4.80-    1   1.20-    1                    GLOB UNIF    WV 0 5
  4676   LOAD X  651 601   0.00-   25   1.00-   25                    GLOB UNIF    WV 0 5
  4677   LOAD Z  651 601   0.00-   02   1.00-   02                    GLOB UNIF    WV 0 5
  4678   LOAD X  651 651   1.00-   25   1.00-   25                    GLOB UNIF    WV 0 5
  4679   LOAD Z  651 601   1.00-   02   1.00-   02                    GLOB UNIF    WV 0 5
  4680   LOAD X  651 601   2.00-   25   1.00-   25                    GLOB UNIF    WV 0 5
  4681   LOAD Z  651 601   2.00-   02   1.00-   02                    GLOB UNIF    WV 0 5
  4682   LOAD X  651 601   3.00-   25   1.00-   25                    GLOB UNIF    WV 0 5
  4683   LOAD Z  651 601   3.00-   02   1.00-    1                    GLOB UNIF    WV 0 5
  4684   LOAD X  651 601   4.00-   25   1.00-   25                    GLOB UNIF    WV 0 5
  4685   LOAD Z  651 601   4.00-    1   1.00-    1                    GLOB UNIF    WV 0 5
  4686   LOAD X  653 603   0.00-   23   1.00-   23                    GLOB UNIF    WV 0 5
  4687   LOAD Z  653 603   0.00     1   1.00     1                    GLOB UNIF    WV 0 5
  4688   LOAD X  653 603   1.00-   23   1.00-   23                    GLOB UNIF    WV 0 5
  4689   LOAD Z  653 603   1.00     1   1.00     1                    GLOB UNIF    WV 0 5
  4690   LOAD X  653 603   2.00-   23   1.00-   22                    GLOB UNIF    WV 0 5
  4691   LOAD Z  653 603   2.00     1   1.00     1                    GLOB UNIF    WV 0 5
  4692   LOAD X  653 603   3.00-   22   1.00-   22                    GLOB UNIF    WV 0 5
  4693   LOAD Z  653 603   3.00     1   1.00     1                    GLOB UNIF    WV 0 5
  4694   LOAD X  653 603   4.00-   22   1.00-   22                    GLOB UNIF    WV 0 5
  4695   LOAD Z  653 603   4.00     1   1.00     1                    GLOB UNIF    WV 0 5
  4696   LOAD Y  611 612   0.00-   39   3.20-   36                    GLOB UNIF    WV 0 5
  4697   LOAD Z  611 612   0.00-   04   3.20-   03                    GLOB UNIF    WV 0 5
  4698   LOAD Y  611 612   3.20-   36   3.20-   36                    GLOB UNIF    WV 0 5
  4699   LOAD Z  611 612   3.20-   03   3.20-   03                    GLOB UNIF    WV 0 5
  4700   LOAD Y  611 612   6.40-   36   3.20-   36                    GLOB UNIF    WV 0 5
  4701   LOAD Z  611 612   6.40-   03   3.20-   03                    GLOB UNIF    WV 0 5
  4702   LOAD Y  611 612   9.61-   35   3.20-   36                    GLOB UNIF    WV 0 5
  4703   LOAD Z  611 612   9.61-   03   3.20-   02                    GLOB UNIF    WV 0 5
  4704   LOAD Y  611 612  12.01-   36   3.20-   37                    GLOB UNIF    WV 0 5
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S I N A S I N P U T D A T A

3-PILE ACSR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0								
4705	LOAD Z	611 612	12.61=	62	3.20=	62	GLOB UNIF	WY 0 5	
4706	LOAD Y	612 613	0.00=	37	3.20=	37	GLOB UNIF	WY 0 5	
4707	LOAD Z	612 613	0.00=	62	3.20=	62	GLOB UNIF	WY 0 5	
4708	LOAD Y	612 613	3.20=	37	3.20=	36	GLOB UNIF	WY 0 5	
4709	LOAD Z	612 613	3.20=	62	3.20=	1	GLOB UNIF	WY 0 5	
4710	LOAD Y	612 613	6.40=	36	3.20=	36	GLOB UNIF	WY 0 5	
4711	LOAD Z	612 613	6.40=	1	3.20=	1	GLOB UNIF	WY 0 5	
4712	LOAD Y	612 613	9.61=	36	3.20=	35	GLOB UNIF	WY 0 5	
4713	LOAD Z	612 613	9.61=	1	3.20		GLOB UNIF	WY 0 5	
4714	LOAD Y	612 613	12.61=	35	3.20=	35	GLOB UNIF	WY 0 5	
4715	LOAD Y	601 602	0.00=	67	3.55=	66	GLOB UNIF	WY 0 5	
4716	LOAD Z	601 602	0.00=	64	3.55=	63	GLOB UNIF	WY 0 5	
4717	LOAD Y	601 602	3.55=	66	3.55=	66	GLOB UNIF	WY 0 5	
4718	LOAD Z	601 602	3.55=	63	3.55=	63	GLOB UNIF	WY 0 5	
4719	LOAD Y	601 602	7.10=	66	3.55=	65	GLOB UNIF	WY 0 5	
4720	LOAD Z	601 602	7.10=	63	3.55=	63	GLOB UNIF	WY 0 5	
4721	LOAD Y	601 602	10.64=	65	3.55=	65	GLOB UNIF	WY 0 5	
4722	LOAD Z	601 602	10.64=	63	3.55=	62	GLOB UNIF	WY 0 5	
4723	LOAD Y	601 602	14.19=	65	3.55=	64	GLOB UNIF	WY 0 5	
4724	LOAD Z	601 602	14.19=	62	3.55=	62	GLOB UNIF	WY 0 5	
4725	LOAD Y	602 603	0.00=	64	3.55=	63	GLOB UNIF	WY 0 5	
4726	LOAD Z	602 603	0.00=	62	3.55=	1	GLOB UNIF	WY 0 5	
4727	LOAD Y	602 603	3.55=	63	3.55=	62	GLOB UNIF	WY 0 5	
4728	LOAD Z	602 603	3.55=	1	3.55=	1	GLOB UNIF	WY 0 5	
4729	LOAD Y	602 603	7.10=	62	3.55=	61	GLOB UNIF	WY 0 5	
4730	LOAD Z	602 603	7.10=	1	3.55		GLOB UNIF	WY 0 5	
4731	LOAD Y	602 603	10.64=	61	3.55=	61	GLOB UNIF	WY 0 5	
4732	LOAD Y	602 603	14.19=	61	3.55=	61	GLOB UNIF	WY 0 5	
4733	LOAD X	611 601	0.00=	63	2.42=	60	GLOB UNIF	WY 0 5	
4734	LOAD Y	611 601	0.00=	104	2.42=	99	GLOB UNIF	WY 0 5	
4735	LOAD Z	611 601	0.00=	09	2.42=	09	GLOB UNIF	WY 0 5	
4736	LOAD X	611 601	2.42=	60	2.42=	57	GLOB UNIF	WY 0 5	
4737	LOAD Y	611 601	2.42=	99	2.42=	94	GLOB UNIF	WY 0 5	
4738	LOAD Z	611 601	2.42=	09	2.42=	08	GLOB UNIF	WY 0 5	
4739	LOAD X	611 601	4.85=	57	2.42=	54	GLOB UNIF	WY 0 5	
4740	LOAD Y	611 601	4.85=	94	2.42=	89	GLOB UNIF	WY 0 5	
4741	LOAD Z	611 601	4.85=	08	2.42=	08	GLOB UNIF	WY 0 5	
4742	LOAD X	611 601	7.27=	54	2.42=	52	GLOB UNIF	WY 0 5	
4743	LOAD Y	611 601	7.27=	89	2.42=	85	GLOB UNIF	WY 0 5	
4744	LOAD Z	611 601	7.27=	08	2.42=	07	GLOB UNIF	WY 0 5	
4745	LOAD X	611 601	9.70=	52	2.42=	49	GLOB UNIF	WY 0 5	
4746	LOAD Y	611 601	9.70=	85	2.42=	82	GLOB UNIF	WY 0 5	
4747	LOAD Z	611 601	9.70=	07	2.42=	07	GLOB UNIF	WY 0 5	
4748	LOAD X	612 602	0.00=	38	2.40=	36	GLOB UNIF	WY 0 5	
4749	LOAD Y	612 602	0.00=	65	2.40=	62	GLOB UNIF	WY 0 5	
4750	LOAD X	612 602	2.40=	36	2.40=	34	GLOB UNIF	WY 0 5	
4751	LOAD Y	612 602	2.40=	62	2.40=	59	GLOB UNIF	WY 0 5	
4752	LOAD X	612 602	4.80=	34	2.40=	33	GLOB UNIF	WY 0 5	
4753	LOAD Y	612 602	4.80=	59	2.40=	56	GLOB UNIF	WY 0 5	

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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4754	LOAD	A	512	002	7.20-	33	2.40-	31	GLOB UNIF	WV	0 5
4755	LOAD	Y	512	002	7.20-	50	2.40-	54	GLOB UNIF	WV	0 5
4756	LOAD	A	512	002	9.60-	31	2.40-	30	GLOB UNIF	WV	0 5
4757	LOAD	Y	512	002	9.60-	54	2.40-	52	GLOB UNIF	WV	0 5
4758	LOAD	A	515	003	0.00-	56	2.42-	55	GLOB UNIF	WV	0 5
4759	LOAD	Y	515	003	0.00-	102	2.42-	98	GLOB UNIF	WV	0 5
4760	LOAD	Z	515	003	0.00	06	2.42	06	GLOB UNIF	WV	0 5
4761	LOAD	A	515	003	2.42-	53	2.42-	50	GLOB UNIF	WV	0 5
4762	LOAD	Y	515	003	2.42-	96	2.42-	93	GLOB UNIF	WV	0 5
4763	LOAD	Z	515	003	2.42	06	2.42	07	GLOB UNIF	WV	0 5
4764	LOAD	A	515	003	4.85-	50	2.42-	48	GLOB UNIF	WV	0 5
4765	LOAD	Y	515	003	4.85-	93	2.42-	89	GLOB UNIF	WV	0 5
4766	LOAD	Z	515	003	4.85	07	2.42	07	GLOB UNIF	WV	0 5
4767	LOAD	A	515	003	7.27-	48	2.42-	46	GLOB UNIF	WV	0 5
4768	LOAD	Y	515	003	7.27-	89	2.42-	85	GLOB UNIF	WV	0 5
4769	LOAD	Z	515	003	7.27	07	2.42	07	GLOB UNIF	WV	0 5
4770	LOAD	A	515	003	9.70-	46	2.42-	44	GLOB UNIF	WV	0 5
4771	LOAD	Y	515	003	9.70-	85	2.42-	81	GLOB UNIF	WV	0 5
4772	LOAD	Z	515	003	9.70	07	2.42	06	GLOB UNIF	WV	0 5
4773	LOAD	A	501	632	0.00-	06	4.05-	06	GLOB UNIF	WV	0 5
4774	LOAD	Y	501	632	0.00-	75	4.05-	70	GLOB UNIF	WV	0 5
4775	LOAD	Z	501	632	0.00	14	4.05	14	GLOB UNIF	WV	0 5
4776	LOAD	A	501	632	4.05-	06	4.05-	06	GLOB UNIF	WV	0 5
4777	LOAD	Y	501	632	4.05-	70	4.05-	66	GLOB UNIF	WV	0 5
4778	LOAD	Z	501	632	4.05	14	4.05	13	GLOB UNIF	WV	0 5
4779	LOAD	A	501	632	8.10-	06	4.05-	05	GLOB UNIF	WV	0 5
4780	LOAD	Y	501	632	8.10-	66	4.05-	63	GLOB UNIF	WV	0 5
4781	LOAD	Z	501	632	8.10	13	4.05	13	GLOB UNIF	WV	0 5
4782	LOAD	A	501	632	12.15-	05	4.05-	05	GLOB UNIF	WV	0 5
4783	LOAD	Y	501	632	12.15-	63	4.05-	60	GLOB UNIF	WV	0 5
4784	LOAD	Z	501	632	12.15	13	4.05	12	GLOB UNIF	WV	0 5
4785	LOAD	A	501	632	16.20-	05	4.05-	05	GLOB UNIF	WV	0 5
4786	LOAD	Y	501	632	16.20-	60	4.05-	57	GLOB UNIF	WV	0 5
4787	LOAD	Z	501	632	16.20	12	4.05	12	GLOB UNIF	WV	0 5
4788	LOAD	A	503	635	0.00-	19	4.05-	19	GLOB UNIF	WV	0 5
4789	LOAD	Y	503	635	0.00-	27	4.05-	27	GLOB UNIF	WV	0 5
4790	LOAD	Z	503	635	0.00-	45	4.05-	44	GLOB UNIF	WV	0 5
4791	LOAD	A	503	635	4.05-	19	4.05-	19	GLOB UNIF	WV	0 5
4792	LOAD	Y	503	635	4.05-	27	4.05-	27	GLOB UNIF	WV	0 5
4793	LOAD	Z	503	635	4.05-	44	4.05-	44	GLOB UNIF	WV	0 5
4794	LOAD	A	503	635	8.10-	19	4.05-	18	GLOB UNIF	WV	0 5
4795	LOAD	Y	503	635	8.10-	27	4.05-	26	GLOB UNIF	WV	0 5
4796	LOAD	Z	503	635	8.10-	44	4.05-	43	GLOB UNIF	WV	0 5
4797	LOAD	A	503	635	12.15-	18	4.05-	18	GLOB UNIF	WV	0 5
4798	LOAD	Y	503	635	12.15-	26	4.05-	25	GLOB UNIF	WV	0 5
4799	LOAD	Z	503	635	12.15-	43	4.05-	42	GLOB UNIF	WV	0 5
4800	LOAD	A	503	635	16.20-	18	4.05-	17	GLOB UNIF	WV	0 5
4801	LOAD	Y	503	635	16.20-	25	4.05-	24	GLOB UNIF	WV	0 5
4802	LOAD	Z	503	635	16.20-	42	4.05-	40	GLOB UNIF	WV	0 5

5-PILE ACTR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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              1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.										
4003	LOAD X	506 654	0.00-	58	4.05-	56	GLOB UNIF	WV	0	5
4004	LOAD Y	506 654	0.00-	45	4.05-	43	GLOB UNIF	WV	0	5
4005	LOAD Z	506 654	0.00	07	4.05	07	GLOB UNIF	WV	0	5
4006	LOAD X	506 654	4.05-	56	4.05-	53	GLOB UNIF	WV	0	5
4007	LOAD Y	506 654	4.05-	43	4.05-	41	GLOB UNIF	WV	0	5
4008	LOAD Z	506 654	4.05	07	4.05	06	GLOB UNIF	WV	0	5
4009	LOAD X	506 654	8.10-	53	4.05-	51	GLOB UNIF	WV	0	5
4010	LOAD Y	506 654	8.10-	41	4.05-	40	GLOB UNIF	WV	0	5
4011	LOAD Z	506 654	8.10	06	4.05	06	GLOB UNIF	WV	0	5
4012	LOAD X	506 654	12.14-	51	4.05-	49	GLOB UNIF	WV	0	5
4013	LOAD Y	506 654	12.14-	40	4.05-	38	GLOB UNIF	WV	0	5
4014	LOAD Z	506 654	12.14	06	4.05	06	GLOB UNIF	WV	0	5
4015	LOAD X	506 654	16.19-	49	4.05-	47	GLOB UNIF	WV	0	5
4016	LOAD Y	506 654	16.19-	38	4.05-	36	GLOB UNIF	WV	0	5
4017	LOAD Z	506 654	16.19	06	4.05	06	GLOB UNIF	WV	0	5
4018	LOAD X	652 703	0.00-	10	4.39-	10	GLOB UNIF	WV	0	5
4019	LOAD Y	652 703	0.00-	83	4.39-	79	GLOB UNIF	WV	0	5
4020	LOAD Z	652 703	0.00	20	4.39	19	GLOB UNIF	WV	0	5
4021	LOAD X	652 703	4.39-	10	4.39-	09	GLOB UNIF	WV	0	5
4022	LOAD Y	652 703	4.39-	79	4.39-	74	GLOB UNIF	WV	0	5
4023	LOAD Z	652 703	4.39	19	4.39	19	GLOB UNIF	WV	0	5
4024	LOAD X	652 703	8.77-	09	4.39-	09	GLOB UNIF	WV	0	5
4025	LOAD Y	652 703	8.77-	74	4.39-	70	GLOB UNIF	WV	0	5
4026	LOAD Z	652 703	8.77	19	4.39	18	GLOB UNIF	WV	0	5
4027	LOAD X	652 703	13.16-	09	4.39-	08	GLOB UNIF	WV	0	5
4028	LOAD Y	652 703	13.16-	70	4.39-	66	GLOB UNIF	WV	0	5
4029	LOAD Z	652 703	13.16	18	4.39	17	GLOB UNIF	WV	0	5
4030	LOAD X	652 703	17.55-	08	4.39-	08	GLOB UNIF	WV	0	5
4031	LOAD Y	652 703	17.55-	66	4.39-	65	GLOB UNIF	WV	0	5
4032	LOAD Z	652 703	17.55	17	4.39	16	GLOB UNIF	WV	0	5
4033	LOAD X	655 706	0.00-	24	4.39-	23	GLOB UNIF	WV	0	5
4034	LOAD Y	655 706	0.00-	34	4.39-	32	GLOB UNIF	WV	0	5
4035	LOAD Z	655 706	0.00-	56	4.39-	53	GLOB UNIF	WV	0	5
4036	LOAD X	655 706	4.39-	23	4.39-	22	GLOB UNIF	WV	0	5
4037	LOAD Y	655 706	4.39-	32	4.39-	31	GLOB UNIF	WV	0	5
4038	LOAD Z	655 706	4.39-	53	4.39-	51	GLOB UNIF	WV	0	5
4039	LOAD X	655 706	8.77-	22	4.39-	20	GLOB UNIF	WV	0	5
4040	LOAD Y	655 706	8.77-	31	4.39-	29	GLOB UNIF	WV	0	5
4041	LOAD Z	655 706	8.77-	51	4.39-	48	GLOB UNIF	WV	0	5
4042	LOAD X	655 706	13.16-	20	4.39-	19	GLOB UNIF	WV	0	5
4043	LOAD Y	655 706	13.16-	29	4.39-	27	GLOB UNIF	WV	0	5
4044	LOAD Z	655 706	13.16-	48	4.39-	45	GLOB UNIF	WV	0	5
4045	LOAD X	655 706	17.55-	19	4.39-	18	GLOB UNIF	WV	0	5
4046	LOAD Y	655 706	17.55-	27	4.39-	26	GLOB UNIF	WV	0	5
4047	LOAD Z	655 706	17.55-	45	4.39-	42	GLOB UNIF	WV	0	5
4048	LOAD X	654 701	0.00-	69	4.39-	66	GLOB UNIF	WV	0	5
4049	LOAD Y	654 701	0.00-	57	4.39-	54	GLOB UNIF	WV	0	5
4050	LOAD Z	654 701	0.00	13	4.39	12	GLOB UNIF	WV	0	5
4051	LOAD X	654 701	4.39-	66	4.39-	63	GLOB UNIF	WV	0	5

S T R A C   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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             1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  4652  LOAD Y  654 701   4.59-   54   4.59-   52            GLOB UNIF   WV 0 5
  4653  LOAD Z  654 701   4.59    12   4.59    12            GLOB UNIF   WV 0 5
  4654  LOAD X  654 701   8.77-   63   4.59-   60            GLOB UNIF   WV 0 5
  4655  LOAD Y  654 701   8.77-   52   4.59-   50            GLOB UNIF   WV 0 5
  4656  LOAD Z  654 701   8.77    12   4.59    11            GLOB UNIF   WV 0 5
  4657  LOAD X  654 701  13.16-   60   4.59-   57            GLOB UNIF   WV 0 5
  4658  LOAD Y  654 701  13.16-   50   4.59-   47            GLOB UNIF   WV 0 5
  4659  LOAD Z  654 701  13.16    11   4.59    11            GLOB UNIF   WV 0 5
  4660  LOAD X  654 701  17.55-   57   4.59-   55            GLOB UNIF   WV 0 5
  4661  LOAD Y  654 701  17.55-   47   4.59-   46            GLOB UNIF   WV 0 5
  4662  LOAD Z  654 701  17.55    11   4.59    10            GLOB UNIF   WV 0 5
  4663  LOAD Y  701 702   0.00-   45   3.75-   45            GLOB UNIF   WV 0 5
  4664  LOAD Z  701 702   0.00-   03   3.75-   03            GLOB UNIF   WV 0 5
  4665  LOAD Y  701 702   3.75-   45   3.75-   44            GLOB UNIF   WV 0 5
  4666  LOAD Z  701 702   3.75-   03   3.75-   02            GLOB UNIF   WV 0 5
  4667  LOAD Y  701 702   7.50-   44   3.75-   44            GLOB UNIF   WV 0 5
  4668  LOAD Z  701 702   7.50-   02   3.75-   02            GLOB UNIF   WV 0 5
  4669  LOAD Y  701 702  11.26-   44   3.75-   44            GLOB UNIF   WV 0 5
  4670  LOAD Z  701 702  11.26-   02   3.75-   02            GLOB UNIF   WV 0 5
  4671  LOAD Y  701 702  15.01-   44   3.75-   43            GLOB UNIF   WV 0 5
  4672  LOAD Z  701 702  15.01-   02   3.75-   02            GLOB UNIF   WV 0 5
  4673  LOAD Y  702 703   0.00-   43   3.75-   43            GLOB UNIF   WV 0 5
  4674  LOAD Z  702 703   0.00-   02   3.75-    1            GLOB UNIF   WV 0 5
  4675  LOAD Y  702 703   3.75-   43   3.75-   42            GLOB UNIF   WV 0 5
  4676  LOAD Z  702 703   3.75-    1   3.75-    1            GLOB UNIF   WV 0 5
  4677  LOAD Y  702 703   7.50-   42   3.75-   42            GLOB UNIF   WV 0 5
  4678  LOAD Z  702 703   7.50-    1   3.75-    1            GLOB UNIF   WV 0 5
  4679  LOAD Y  702 703  11.26-   42   3.75-   41            GLOB UNIF   WV 0 5
  4680  LOAD Z  702 703  11.26-    1   3.75-    1            GLOB UNIF   WV 0 5
  4681  LOAD Y  702 703  15.01-   41   3.75-   41            GLOB UNIF   WV 0 5
  4682  LOAD Z  702 703  15.01-    1   3.75                  GLOB UNIF   WV 0 5
  4683  LOAD Z  703 705   0.00         3.75-    1            GLOB UNIF   WV 0 5
  4684  LOAD Z  703 705   3.75-    1   3.75-    1            GLOB UNIF   WV 0 5
  4685  LOAD Z  703 705   7.50-    1   3.75-   02            GLOB UNIF   WV 0 5
  4686  LOAD Z  703 705  11.25-   02   3.75-   02            GLOB UNIF   WV 0 5
  4687  LOAD Z  703 705  15.00-   02   3.75-   03            GLOB UNIF   WV 0 5
  4688  LOAD Z  705 706   0.00-   03   3.75-   03            GLOB UNIF   WV 0 5
  4689  LOAD Z  705 706   3.75-   03   3.75-   03            GLOB UNIF   WV 0 5
  4690  LOAD Z  705 706   7.51-   03   3.75-   03            GLOB UNIF   WV 0 5
  4691  LOAD Z  705 706  11.26-   03   3.75-   03            GLOB UNIF   WV 0 5
  4692  LOAD Z  705 706  15.01-   03   3.75-   03            GLOB UNIF   WV 0 5
  4693  LOAD X  701 704   0.00-   39   3.75-   39            GLOB UNIF   WV 0 5
  4694  LOAD Y  701 704   0.00-   22   3.75-   22            GLOB UNIF   WV 0 5
  4695  LOAD Z  701 704   0.00-   03   3.75-   03            GLOB UNIF   WV 0 5
  4696  LOAD X  701 704   3.75-   39   3.75-   39            GLOB UNIF   WV 0 5
  4697  LOAD Y  701 704   3.75-   22   3.75-   22            GLOB UNIF   WV 0 5
  4698  LOAD Z  701 704   3.75-   03   3.75-   03            GLOB UNIF   WV 0 5
  4699  LOAD X  701 704   7.50-   39   3.75-   39            GLOB UNIF   WV 0 5
  4700  LOAD Y  701 704   7.50-   22   3.75-   22            GLOB UNIF   WV 0 5
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S T R A . . . D A T A

SPRICE ALMR STRUCTURE -- U.S. NAVY (02=1%, DIATE ET PILING) -- J.ATKINSON

LINE NO.	1...5....1 5	....2....5	3	....5....4	5	....6....5	....7....5....8	
4901	LOAD Z 701 704	7.50-	03	3.75-	03	GLOB UNIF	WV 0 5	
4902	LOAD X 701 704	11.25-	39	3.75-	39	GLOB UNIF	WV 0 5	
4903	LOAD Y 701 704	11.25-	22	3.75-	22	GLOB UNIF	WV 0 5	
4904	LOAD Z 701 704	11.25-	03	3.75-	03	GLOB UNIF	WV 0 5	
4905	LOAD X 701 704	15.00-	39	3.75-	39	GLOB UNIF	WV 0 5	
4906	LOAD Y 701 704	15.00-	22	3.75-	22	GLOB UNIF	WV 0 5	
4907	LOAD Z 701 704	15.00-	03	3.75-	03	GLOB UNIF	WV 0 5	
4908	LOAD X 704 706	0.00-	39	3.75-	39	GLOB UNIF	WV 0 5	
4909	LOAD Y 704 706	0.00-	22	3.75-	22	GLOB UNIF	WV 0 5	
4910	LOAD Z 704 706	0.00-	03	3.75-	03	GLOB UNIF	WV 0 5	
4911	LOAD X 704 706	3.75-	39	3.75-	30	GLOB UNIF	WV 0 5	
4912	LOAD Y 704 706	3.75-	22	3.75-	22	GLOB UNIF	WV 0 5	
4913	LOAD Z 704 706	3.75-	03	3.75-	03	GLOB UNIF	WV 0 5	
4914	LOAD X 704 706	7.51-	30	3.75-	30	GLOB UNIF	WV 0 5	
4915	LOAD Y 704 706	7.51-	22	3.75-	22	GLOB UNIF	WV 0 5	
4916	LOAD Z 704 706	7.51-	03	3.75-	03	GLOB UNIF	WV 0 5	
4917	LOAD X 704 706	11.25-	30	3.75-	30	GLOB UNIF	WV 0 5	
4918	LOAD Y 704 706	11.25-	22	3.75-	22	GLOB UNIF	WV 0 5	
4919	LOAD Z 704 706	11.25-	03	3.75-	03	GLOB UNIF	WV 0 5	
4920	LOAD X 704 706	15.01-	30	3.75-	30	GLOB UNIF	WV 0 5	
4921	LOAD Y 704 706	15.01-	22	3.75-	22	GLOB UNIF	WV 0 5	
4922	LOAD Z 704 706	15.01-	03	3.75-	03	GLOB UNIF	WV 0 5	
4923	LOAD Z 702 706	0.00-	1	3.75-	1	GLOB UNIF	WV 0 5	
4924	LOAD Z 702 706	3.75-	1	3.75-	02	GLOB UNIF	WV 0 5	
4925	LOAD Z 702 706	7.50-	02	3.75-	02	GLOB UNIF	WV 0 5	
4926	LOAD Z 702 706	11.25-	02	3.75-	02	GLOB UNIF	WV 0 5	
4927	LOAD Z 702 706	15.00-	02	3.75-	02	GLOB UNIF	WV 0 5	
4928	LOAD X 702 705	0.00-	32	3.75-	32	GLOB UNIF	WV 0 5	
4929	LOAD Y 702 705	0.00-	19	3.75-	19	GLOB UNIF	WV 0 5	
4930	LOAD Z 702 705	0.00-	1	3.75-	1	GLOB UNIF	WV 0 5	
4931	LOAD X 702 705	3.75-	32	3.75-	33	GLOB UNIF	WV 0 5	
4932	LOAD Y 702 705	3.75-	19	3.75-	19	GLOB UNIF	WV 0 5	
4933	LOAD Z 702 705	3.75-	1	3.75-	1	GLOB UNIF	WV 0 5	
4934	LOAD X 702 705	7.50-	33	3.75-	33	GLOB UNIF	WV 0 5	
4935	LOAD Y 702 705	7.50-	19	3.75-	19	GLOB UNIF	WV 0 5	
4936	LOAD Z 702 705	7.50-	1	3.75-	1	GLOB UNIF	WV 0 5	
4937	LOAD X 702 705	11.25-	33	3.75-	33	GLOB UNIF	WV 0 5	
4938	LOAD Y 702 705	11.25-	19	3.75-	19	GLOB UNIF	WV 0 5	
4939	LOAD Z 702 705	11.25-	1	3.75-	02	GLOB UNIF	WV 0 5	
4940	LOAD X 702 705	15.00-	33	3.75-	33	GLOB UNIF	WV 0 5	
4941	LOAD Y 702 705	15.00-	19	3.75-	19	GLOB UNIF	WV 0 5	
4942	LOAD Z 702 705	15.00-	02	3.75-	02	GLOB UNIF	WV 0 5	
4943	LOAD Y 704 705	0.00-	39	3.75-	39	GLOB UNIF	WV 0 5	
4944	LOAD Z 704 705	0.00-	02	3.75-	02	GLOB UNIF	WV 0 5	
4945	LOAD Y 704 705	3.75-	39	3.75-	39	GLOB UNIF	WV 0 5	
4946	LOAD Z 704 705	3.75-	02	3.75-	02	GLOB UNIF	WV 0 5	
4947	LOAD Y 704 705	7.50-	39	3.75-	39	GLOB UNIF	WV 0 5	
4948	LOAD Z 704 705	7.50-	02	3.75-	02	GLOB UNIF	WV 0 5	
4949	LOAD Y 704 705	11.25-	39	3.75-	39	GLOB UNIF	WV 0 5	

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.										
4950	LOAD Z	704 705	11.26-	02	3.75-	02	GLOB UNIF	WV	0	5
4951	LOAD Y	704 705	15.01-	39	3.75-	39	GLOB UNIF	WV	0	5
4952	LOAD Z	703 705	15.01-	02	3.75-	02	GLOB UNIF	WV	0	5
4953	LOAD X	701 806	0.00-	49	10.69-	43	GLOB UNIF	WV	0	5
4954	LOAD Y	701 806	0.00-	49	10.69-	43	GLOB UNIF	WV	0	5
4955	LOAD Z	701 806	0.00-	27	10.69-	24	GLOB UNIF	WV	0	5
4956	LOAD X	701 806	10.69-	43	10.69-	39	GLOB UNIF	WV	0	5
4957	LOAD Y	701 806	10.69-	43	10.69-	38	GLOB UNIF	WV	0	5
4958	LOAD Z	701 806	10.69-	24	10.69-	22	GLOB UNIF	WV	0	5
4959	LOAD X	701 806	21.78-	39	10.69-	34	GLOB UNIF	WV	0	5
4960	LOAD Y	701 806	21.78-	38	10.69-	34	GLOB UNIF	WV	0	5
4961	LOAD Z	701 806	21.78-	22	10.69-	19	GLOB UNIF	WV	0	5
4962	LOAD X	701 806	32.67-	34	10.69-	30	GLOB UNIF	WV	0	5
4963	LOAD Y	701 806	32.67-	34	10.69-	30	GLOB UNIF	WV	0	5
4964	LOAD Z	701 806	32.67-	19	10.69-	17	GLOB UNIF	WV	0	5
4965	LOAD X	701 806	43.55-	30	10.69-	27	GLOB UNIF	WV	0	5
4966	LOAD Y	701 806	43.55-	30	10.69-	26	GLOB UNIF	WV	0	5
4967	LOAD Z	701 806	43.55-	17	10.69-	15	GLOB UNIF	WV	0	5
4968	LOAD X	703 801	0.00-	20	10.69-	19	GLOB UNIF	WV	0	5
4969	LOAD Y	703 801	0.00-	60	10.69-	60	GLOB UNIF	WV	0	5
4970	LOAD Z	703 801	0.00-	19	10.69-	18	GLOB UNIF	WV	0	5
4971	LOAD X	703 801	10.69-	19	10.69-	17	GLOB UNIF	WV	0	5
4972	LOAD Y	703 801	10.69-	60	10.69-	55	GLOB UNIF	WV	0	5
4973	LOAD Z	703 801	10.69-	18	10.69-	17	GLOB UNIF	WV	0	5
4974	LOAD X	703 801	21.78-	17	10.69-	16	GLOB UNIF	WV	0	5
4975	LOAD Y	703 801	21.78-	55	10.69-	50	GLOB UNIF	WV	0	5
4976	LOAD Z	703 801	21.78-	17	10.69-	16	GLOB UNIF	WV	0	5
4977	LOAD X	703 801	32.66-	16	10.69-	14	GLOB UNIF	WV	0	5
4978	LOAD Y	703 801	32.66-	50	10.69-	45	GLOB UNIF	WV	0	5
4979	LOAD Z	703 801	32.66-	16	10.69-	14	GLOB UNIF	WV	0	5
4980	LOAD X	703 801	43.55-	14	10.69-	13	GLOB UNIF	WV	0	5
4981	LOAD Y	703 801	43.55-	45	10.69-	42	GLOB UNIF	WV	0	5
4982	LOAD Z	703 801	43.55-	14	10.69-	13	GLOB UNIF	WV	0	5
4983	LOAD X	705 803	0.00-	09	9.07-	09	GLOB UNIF	WV	0	5
4984	LOAD Y	705 803	0.00-	22	9.07-	21	GLOB UNIF	WV	0	5
4985	LOAD Z	705 803	0.00	29	9.07	28	GLOB UNIF	WV	0	5
4986	LOAD X	705 803	9.07-	09	9.07-	08	GLOB UNIF	WV	0	5
4987	LOAD Y	705 803	9.07-	21	9.07-	20	GLOB UNIF	WV	0	5
4988	LOAD Z	705 803	9.07	28	9.07	27	GLOB UNIF	WV	0	5
4989	LOAD X	705 803	16.15-	08	9.07-	08	GLOB UNIF	WV	0	5
4990	LOAD Y	705 803	18.15-	20	9.07-	19	GLOB UNIF	WV	0	5
4991	LOAD Z	705 803	18.15	27	9.07	25	GLOB UNIF	WV	0	5
4992	LOAD X	705 803	27.22-	08	9.07-	07	GLOB UNIF	WV	0	5
4993	LOAD Y	705 803	27.22-	19	9.07-	18	GLOB UNIF	WV	0	5
4994	LOAD Z	705 803	27.22	25	9.07	24	GLOB UNIF	WV	0	5
4995	LOAD X	705 803	36.29-	07	9.07-	07	GLOB UNIF	WV	0	5
4996	LOAD Y	705 803	36.29-	18	9.07-	16	GLOB UNIF	WV	0	5
4997	LOAD Z	705 803	36.29	24	9.07	22	GLOB UNIF	WV	0	5
4998	LOAD X	705 803	45.36-	07	9.07-	07	GLOB UNIF	WV	0	5

S-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO.	1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0									
4999	LOAD Y	705 803	45.36-	16	9.07-	15	GLOB UNIF	WV	0	5
5000	LOAD Z	705 803	45.35	22	9.07	21	GLOB UNIF	WV	0	5
5001	LOAD Y	801 802	0.00-	34	4.75-	33	GLOB UNIF	WV	0	5
5002	LOAD Z	801 802	0.00-	02	4.75-	02	GLOB UNIF	WV	0	5
5003	LOAD Y	801 802	4.75-	33	4.75-	33	GLOB UNIF	WV	0	5
5004	LOAD Z	801 802	4.75-	02	4.75-	02	GLOB UNIF	WV	0	5
5005	LOAD Y	801 802	9.46-	33	4.75-	33	GLOB UNIF	WV	0	5
5006	LOAD Z	801 802	9.46-	02	4.75-	02	GLOB UNIF	WV	0	5
5007	LOAD Y	801 802	14.20-	33	4.75-	33	GLOB UNIF	WV	0	5
5008	LOAD Z	801 802	14.20-	02	4.75-	02	GLOB UNIF	WV	0	5
5009	LOAD Y	801 802	18.95-	33	4.75-	33	GLOB UNIF	WV	0	5
5010	LOAD Z	801 802	18.95-	02	4.75-	02	GLOB UNIF	WV	0	5
5011	LOAD Y	802 803	0.00-	33	4.75-	33	GLOB UNIF	WV	0	5
5012	LOAD Z	802 803	0.00-	02	4.75-	02	GLOB UNIF	WV	0	5
5013	LOAD Y	802 803	4.75-	33	4.75-	32	GLOB UNIF	WV	0	5
5014	LOAD Z	802 803	4.75-	02	4.75-	02	GLOB UNIF	WV	0	5
5015	LOAD Y	802 803	9.45-	32	4.75-	32	GLOB UNIF	WV	0	5
5016	LOAD Z	802 803	9.45-	02	4.75-	02	GLOB UNIF	WV	0	5
5017	LOAD Y	802 803	14.20-	32	4.75-	32	GLOB UNIF	WV	0	5
5018	LOAD Z	802 803	14.20-	02	4.75-	02	GLOB UNIF	WV	0	5
5019	LOAD Y	802 803	18.95-	32	4.75-	32	GLOB UNIF	WV	0	5
5020	LOAD Z	802 803	18.95-	02	4.75-	02	GLOB UNIF	WV	0	5
5021	LOAD Z	803 805	0.00-	02	4.75-	02	GLOB UNIF	WV	0	5
5022	LOAD Z	803 805	4.75-	02	4.75-	02	GLOB UNIF	WV	0	5
5023	LOAD Z	803 805	9.45-	02	4.75-	02	GLOB UNIF	WV	0	5
5024	LOAD Z	803 805	14.20-	02	4.75-	02	GLOB UNIF	WV	0	5
5025	LOAD Z	803 805	18.95-	02	4.75-	02	GLOB UNIF	WV	0	5
5026	LOAD Z	805 806	0.00-	02	4.75-	02	GLOB UNIF	WV	0	5
5027	LOAD Z	805 806	4.75-	02	4.75-	03	GLOB UNIF	WV	0	5
5028	LOAD Z	805 806	9.47-	03	4.75-	03	GLOB UNIF	WV	0	5
5029	LOAD Z	805 806	14.20-	03	4.75-	03	GLOB UNIF	WV	0	5
5030	LOAD Z	805 806	18.95-	03	4.75-	03	GLOB UNIF	WV	0	5
5031	LOAD X	801 804	0.00-	29	4.75-	29	GLOB UNIF	WV	0	5
5032	LOAD Y	801 804	0.00-	17	4.75-	17	GLOB UNIF	WV	0	5
5033	LOAD Z	801 804	0.00-	02	4.75-	02	GLOB UNIF	WV	0	5
5034	LOAD X	801 804	4.75-	29	4.75-	29	GLOB UNIF	WV	0	5
5035	LOAD Y	801 804	4.75-	17	4.75-	17	GLOB UNIF	WV	0	5
5036	LOAD Z	801 804	4.75-	02	4.75-	02	GLOB UNIF	WV	0	5
5037	LOAD X	801 804	9.46-	29	4.75-	29	GLOB UNIF	WV	0	5
5038	LOAD Y	801 804	9.46-	17	4.75-	17	GLOB UNIF	WV	0	5
5039	LOAD Z	801 804	9.46-	02	4.75-	03	GLOB UNIF	WV	0	5
5040	LOAD X	801 804	14.20-	29	4.75-	29	GLOB UNIF	WV	0	5
5041	LOAD Y	801 804	14.20-	17	4.75-	17	GLOB UNIF	WV	0	5
5042	LOAD Z	801 804	14.20-	03	4.75-	03	GLOB UNIF	WV	0	5
5043	LOAD X	801 804	18.95-	29	4.75-	29	GLOB UNIF	WV	0	5
5044	LOAD Y	801 804	18.95-	17	4.75-	16	GLOB UNIF	WV	0	5
5045	LOAD Z	801 804	18.95-	03	4.75-	03	GLOB UNIF	WV	0	5
5046	LOAD X	804 806	0.00-	29	4.75-	28	GLOB UNIF	WV	0	5
5047	LOAD Y	804 806	0.00-	16	4.75-	16	GLOB UNIF	WV	0	5

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                      1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  5048   LOAD Z  804 806    0.00-    05    4.75-    05                 GLOB UNIF      WV 0 5
  5049   LOAD X  804 806    4.75-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5050   LOAD Y  804 806    4.75-    10    4.75-    10                 GLOB UNIF      WV 0 5
  5051   LOAD Z  804 806    4.75-    05    4.75-    05                 GLOB UNIF      WV 0 5
  5052   LOAD X  804 806    9.47-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5053   LOAD Y  804 806    9.47-    10    4.75-    10                 GLOB UNIF      WV 0 5
  5054   LOAD Z  804 806    9.47-    05    4.75-    05                 GLOB UNIF      WV 0 5
  5055   LOAD X  804 806   14.20-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5056   LOAD Y  804 806   14.20-    10    4.75-    10                 GLOB UNIF      WV 0 5
  5057   LOAD Z  804 806   14.20-    05    4.75-    05                 GLOB UNIF      WV 0 5
  5058   LOAD X  804 806   18.95-    20    4.75-    27                 GLOB UNIF      WV 0 5
  5059   LOAD Y  804 806   18.95-    10    4.75-    10                 GLOB UNIF      WV 0 5
  5060   LOAD Z  804 806   18.95-    05    4.75-    05                 GLOB UNIF      WV 0 5
  5061   LOAD Z  802 804    0.00-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5062   LOAD Z  802 804    4.75-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5063   LOAD Z  802 804    9.48-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5064   LOAD Z  802 804   14.20-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5065   LOAD Z  802 804   18.95-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5066   LOAD X  802 805    0.00-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5067   LOAD Y  802 805    0.00-    11    4.75-    11                 GLOB UNIF      WV 0 5
  5068   LOAD Z  802 805    0.00-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5069   LOAD X  802 805    4.75-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5070   LOAD Y  802 805    4.75-    11    4.75-    11                 GLOB UNIF      WV 0 5
  5071   LOAD Z  802 805    4.75-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5072   LOAD X  802 805    9.48-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5073   LOAD Y  802 805    9.48-    11    4.75-    12                 GLOB UNIF      WV 0 5
  5074   LOAD Z  802 805    9.48-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5075   LOAD X  802 805   14.20-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5076   LOAD Y  802 805   14.20-    12    4.75-    12                 GLOB UNIF      WV 0 5
  5077   LOAD Z  802 805   14.20-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5078   LOAD X  802 805   18.95-    20    4.75-    20                 GLOB UNIF      WV 0 5
  5079   LOAD Y  802 805   18.95-    12    4.75-    12                 GLOB UNIF      WV 0 5
  5080   LOAD Z  802 805   18.95-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5081   LOAD Y  804 805    0.00-    23    4.75-    23                 GLOB UNIF      WV 0 5
  5082   LOAD Z  804 805    0.00-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5083   LOAD Y  804 805    4.75-    23    4.75-    23                 GLOB UNIF      WV 0 5
  5084   LOAD Z  804 805    4.75-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5085   LOAD Y  804 805    9.48-    23    4.75-    23                 GLOB UNIF      WV 0 5
  5086   LOAD Z  804 805    9.48-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5087   LOAD Y  804 805   14.20-    23    4.75-    23                 GLOB UNIF      WV 0 5
  5088   LOAD Z  804 805   14.20-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5089   LOAD Y  804 805   18.95-    23    4.75-    24                 GLOB UNIF      WV 0 5
  5090   LOAD Z  804 805   18.95-     1    4.75-     1                 GLOB UNIF      WV 0 5
  5091   LOAD X  8011002    0.00-    11    4.15-    10                 GLOB UNIF      WV 0 5
  5092   LOAD Y  8011002    0.00-    33    4.15-    31                 GLOB UNIF      WV 0 5
  5093   LOAD Z  8011002    0.00     10    4.15     10                 GLOB UNIF      WV 0 5
  5094   LOAD X  8011002    4.15-    10    4.15-    10                 GLOB UNIF      WV 0 5
  5095   LOAD Y  8011002    4.15-    31    4.15-    30                 GLOB UNIF      WV 0 5
  5096   LOAD Z  8011002    4.15     10    4.15     09                 GLOB UNIF      WV 0 5
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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5097	LOAD A	M011002	6.30-	10	4.15-	10	GLOB UNIF	WV	0 5
5098	LOAD Y	M011002	6.30-	30	4.15-	29	GLOB UNIF	WV	0 5
5099	LOAD Z	M011002	6.30	09	4.15	09	GLOB UNIF	WV	0 5
5100	LOAD A	M011002	12.46-	10	4.15-	09	GLOB UNIF	WV	0 5
5101	LOAD Y	M011002	12.46-	29	4.15-	28	GLOB UNIF	WV	0 5
5102	LOAD Z	M011002	12.46	09	4.15	09	GLOB UNIF	WV	0 5
5103	LOAD A	M011002	16.61-	09	4.15-	09	GLOB UNIF	WV	0 5
5104	LOAD Y	M011002	16.61-	28	4.15-	27	GLOB UNIF	WV	0 5
5105	LOAD Z	M011002	16.61	09	4.15	09	GLOB UNIF	WV	0 5
5106	LOAD A	M011002	20.76-	09	4.15-	09	GLOB UNIF	WV	0 5
5107	LOAD Y	M011002	20.76-	27	4.15-	26	GLOB UNIF	WV	0 5
5108	LOAD Z	M011002	20.76	09	4.15	08	GLOB UNIF	WV	0 5
5109	LOAD A	M011002	24.91-	09	4.15-	09	GLOB UNIF	WV	0 5
5110	LOAD Y	M011002	24.91-	26	4.15-	26	GLOB UNIF	WV	0 5
5111	LOAD Z	M011002	24.91	08	4.15	08	GLOB UNIF	WV	0 5
5112	LOAD A	M011002	29.05-	09	4.15-	08	GLOB UNIF	WV	0 5
5113	LOAD Y	M011002	29.05-	20	4.15-	18	GLOB UNIF	WV	0 5
5114	LOAD Z	M011002	29.05	08	4.15	06	GLOB UNIF	WV	0 5
5115	LOAD A	M011002	33.21-	06	4.15-	04	GLOB UNIF	WV	0 5
5116	LOAD Y	M011002	33.21-	10	4.15-	11	GLOB UNIF	WV	0 5
5117	LOAD Z	M011002	33.21	06	4.15	03	GLOB UNIF	WV	0 5
5118	LOAD A	M011002	37.37-	04	4.15-	1	GLOB UNIF	WV	0 5
5119	LOAD Y	M011002	37.37-	11	4.15-	03	GLOB UNIF	WV	0 5
5120	LOAD Z	M011002	37.37	03	4.15	1	GLOB UNIF	WV	0 5
5121	LOAD A	M051002	0.00-	14	4.61-	14	GLOB UNIF	WV	0 5
5122	LOAD Y	M051002	0.00-	32	4.61-	31	GLOB UNIF	WV	0 5
5123	LOAD Z	M051002	0.00-	07	4.61-	07	GLOB UNIF	WV	0 5
5124	LOAD A	M051002	4.61-	14	4.61-	13	GLOB UNIF	WV	0 5
5125	LOAD Y	M051002	4.61-	31	4.61-	30	GLOB UNIF	WV	0 5
5126	LOAD Z	M051002	4.61-	07	4.61-	07	GLOB UNIF	WV	0 5
5127	LOAD A	M051002	9.23-	13	4.61-	13	GLOM UNIF	WV	0 5
5128	LOAD Y	M051002	9.23-	30	4.61-	29	GLOB UNIF	WV	0 5
5129	LOAD Z	M051002	9.23-	07	4.61-	06	GLOB UNIF	WV	0 5
5130	LOAD A	M051002	13.84-	13	4.61-	12	GLOB UNIF	WV	0 5
5131	LOAD Y	M051002	13.84-	29	4.61-	28	GLOB UNIF	WV	0 5
5132	LOAD Z	M051002	13.84-	06	4.61-	06	GLOB UNIF	WV	0 5
5133	LOAD A	M051002	18.45-	12	4.61-	12	GLOB UNIF	WV	0 5
5134	LOAD Y	M051002	18.45-	28	4.61-	27	GLOB UNIF	WV	0 5
5135	LOAD Z	M051002	18.45-	06	4.61-	06	GLOB UNIF	WV	0 5
5136	LOAD A	M051002	23.07-	12	4.61-	11	GLOB UNIF	WV	0 5
5137	LOAD Y	M051002	23.07-	27	4.61-	26	GLOB UNIF	WV	0 5
5138	LOAD Z	M051002	23.07-	06	4.61-	06	GLOB UNIF	WV	0 5
5139	LOAD A	M051002	27.68-	11	4.61-	09	GLOB UNIF	WV	0 5
5140	LOAD Y	M051002	27.68-	26	4.61-	21	GLOB UNIF	WV	0 5
5141	LOAD Z	M051002	27.68-	06	4.61-	04	GLOB UNIF	WV	0 5
5142	LOAD A	M051002	32.29-	09	4.61-	05	GLOB UNIF	WV	0 5
5143	LOAD Y	M051002	32.29-	21	4.61-	12	GLOB UNIF	WV	0 5
5144	LOAD Z	M051002	32.29-	04	4.61-	03	GLOM UNIF	WV	0 5
5145	LOAD A	M051002	35.91-	05	4.61-	1	GLOB UNIF	WV	0 5

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.										
5146	LOAD Y	6051002	36.91-	12	4.61-	03	GL06 UNIF	WV	0	5
5147	LOAD Z	6051002	36.91-	03	4.61-	1	GL06 UNIF	WV	0	5
5148	LOAD X	6051005	0.00-	14	4.15-	14	GL06 UNIF	WV	0	5
5149	LOAD Y	6051005	0.00-	22	4.15-	21	GL06 UNIF	WV	0	5
5150	LOAD Z	6051005	0.00-	16	4.15-	17	GL06 UNIF	WV	0	5
5151	LOAD X	6051005	4.15-	14	4.15-	13	GL06 UNIF	WV	0	5
5152	LOAD Y	6051005	4.15-	21	4.15-	20	GL06 UNIF	WV	0	5
5153	LOAD Z	6051005	4.15-	17	4.15-	17	GL06 UNIF	WV	0	5
5154	LOAD X	6051005	8.30-	13	4.15-	13	GL06 UNIF	WV	0	5
5155	LOAD Y	6051005	8.30-	20	4.15-	20	GL06 UNIF	WV	0	5
5156	LOAD Z	6051005	8.30-	17	4.15-	16	GL06 UNIF	WV	0	5
5157	LOAD X	6051005	12.46-	13	4.15-	12	GL06 UNIF	WV	0	5
5158	LOAD Y	6051005	12.46-	20	4.15-	19	GL06 UNIF	WV	0	5
5159	LOAD Z	6051005	12.46-	16	4.15-	16	GL06 UNIF	WV	0	5
5160	LOAD X	6051005	16.61-	12	4.15-	12	GL06 UNIF	WV	0	5
5161	LOAD Y	6051005	16.61-	19	4.15-	18	GL06 UNIF	WV	0	5
5162	LOAD Z	6051005	16.61-	16	4.15-	15	GL06 UNIF	WV	0	5
5163	LOAD X	6051005	20.76-	12	4.15-	12	GL06 UNIF	WV	0	5
5164	LOAD Y	6051005	20.76-	18	4.15-	18	GL06 UNIF	WV	0	5
5165	LOAD Z	6051005	20.76-	15	4.15-	15	GL06 UNIF	WV	0	5
5166	LOAD X	6051005	24.91-	12	4.15-	11	GL06 UNIF	WV	0	5
5167	LOAD Y	6051005	24.91-	18	4.15-	17	GL06 UNIF	WV	0	5
5168	LOAD Z	6051005	24.91-	15	4.15-	14	GL06 UNIF	WV	0	5
5169	LOAD X	6051005	29.06-	11	4.15-	07	GL06 UNIF	WV	0	5
5170	LOAD Y	6051005	29.06-	17	4.15-	11	GL06 UNIF	WV	0	5
5171	LOAD Z	6051005	29.06-	14	4.15-	09	GL06 UNIF	WV	0	5
5172	LOAD X	6051005	33.22-	07	4.15-	04	GL06 UNIF	WV	0	5
5173	LOAD Y	6051005	33.22-	11	4.15-	06	GL06 UNIF	WV	0	5
5174	LOAD Z	6051005	33.22-	09	4.15-	05	GL06 UNIF	WV	0	5
5175	LOAD X	6051005	37.37-	04	4.15-	1	GL06 UNIF	WV	0	5
5176	LOAD Y	6051005	37.37-	06	4.15-	02	GL06 UNIF	WV	0	5
5177	LOAD Z	6051005	37.37-	05	4.15-	1	GL06 UNIF	WV	0	5
5178	LOAD X	6061005	0.00-	10	4.15-	10	GL06 UNIF	WV	0	5
5179	LOAD Y	6061005	0.00-	21	4.15-	21	GL06 UNIF	WV	0	5
5180	LOAD Z	6061005	0.00	16	4.15	16	GL06 UNIF	WV	0	5
5181	LOAD X	6061005	4.15-	10	4.15-	10	GL06 UNIF	WV	0	5
5182	LOAD Y	6061005	4.15-	21	4.15-	20	GL06 UNIF	WV	0	5
5183	LOAD Z	6061005	4.15	16	4.15	15	GL06 UNIF	WV	0	5
5184	LOAD X	6061005	8.30-	10	4.15-	10	GL06 UNIF	WV	0	5
5185	LOAD Y	6061005	8.30-	20	4.15-	20	GL06 UNIF	WV	0	5
5186	LOAD Z	6061005	8.30	15	4.15	15	GL06 UNIF	WV	0	5
5187	LOAD X	6061005	12.46-	10	4.15-	09	GL06 UNIF	WV	0	5
5188	LOAD Y	6061005	12.46-	20	4.15-	19	GL06 UNIF	WV	0	5
5189	LOAD Z	6061005	12.46	15	4.15	15	GL06 UNIF	WV	0	5
5190	LOAD X	6061005	16.61-	09	4.15-	09	GL06 UNIF	WV	0	5
5191	LOAD Y	6061005	16.61-	19	4.15-	19	GL06 UNIF	WV	0	5
5192	LOAD Z	6061005	16.61	15	4.15	14	GL06 UNIF	WV	0	5
5193	LOAD X	6061005	20.76-	09	4.15-	09	GL06 UNIF	WV	0	5
5194	LOAD Y	6061005	20.76-	19	4.15-	18	GL06 UNIF	WV	0	5

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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               1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.											
5195	LOAD Z	6061005	20.76	14	4.15	14	GLOB	UNIF	NV	0	5
5196	LOAD X	6061005	24.91-	09	4.15-	09	GLOB	UNIF	NV	0	5
5197	LOAD Y	6061005	24.91-	16	4.15-	16	GLOB	UNIF	NV	0	5
5198	LOAD Z	6061005	24.91	14	4.15	14	GLOB	UNIF	NV	0	5
5199	LOAD X	6061005	29.07-	09	4.15-	07	GLOB	UNIF	NV	0	5
5200	LOAD Y	6061005	29.07-	16	4.15-	14	GLOB	UNIF	NV	0	5
5201	LOAD Z	6061005	29.07	14	4.15	11	GLOB	UNIF	NV	0	5
5202	LOAD X	6061005	33.22-	07	4.15-	04	GLOB	UNIF	NV	0	5
5203	LOAD Y	6061005	33.22-	14	4.15-	06	GLOB	UNIF	NV	0	5
5204	LOAD Z	6061005	33.22	11	4.15	07	GLOB	UNIF	NV	0	5
5205	LOAD X	6061005	37.37-	04	4.15-	1	GLOB	UNIF	NV	0	5
5206	LOAD Y	6061005	37.37-	06	4.15-	02	GLOB	UNIF	NV	0	5
5207	LOAD Z	6061005	37.37	07	4.15	1	GLOB	UNIF	NV	0	5
5208	LOAD X	6011004	0.00-	22	4.15-	21	GLOB	UNIF	NV	0	5
5209	LOAD Y	6011004	0.00-	26	4.15-	27	GLOB	UNIF	NV	0	5
5210	LOAD Z	6011004	0.00-	12	4.15-	11	GLOB	UNIF	NV	0	5
5211	LOAD X	6011004	4.15-	21	4.15-	20	GLOB	UNIF	NV	0	5
5212	LOAD Y	6011004	4.15-	27	4.15-	25	GLOB	UNIF	NV	0	5
5213	LOAD Z	6011004	4.15-	11	4.15-	11	GLOB	UNIF	NV	0	5
5214	LOAD X	6011004	8.30-	20	4.15-	20	GLOB	UNIF	NV	0	5
5215	LOAD Y	6011004	8.30-	25	4.15-	24	GLOB	UNIF	NV	0	5
5216	LOAD Z	6011004	8.30-	11	4.15-	10	GLOB	UNIF	NV	0	5
5217	LOAD X	6011004	12.46-	20	4.15-	19	GLOB	UNIF	NV	0	5
5218	LOAD Y	6011004	12.46-	24	4.15-	23	GLOB	UNIF	NV	0	5
5219	LOAD Z	6011004	12.46-	10	4.15-	10	GLOB	UNIF	NV	0	5
5220	LOAD X	6011004	16.61-	19	4.15-	18	GLOB	UNIF	NV	0	5
5221	LOAD Y	6011004	16.61-	23	4.15-	23	GLOB	UNIF	NV	0	5
5222	LOAD Z	6011004	16.61-	10	4.15-	09	GLOB	UNIF	NV	0	5
5223	LOAD X	6011004	20.76-	16	4.15-	16	GLOB	UNIF	NV	0	5
5224	LOAD Y	6011004	20.76-	23	4.15-	22	GLOB	UNIF	NV	0	5
5225	LOAD Z	6011004	20.76-	09	4.15-	09	GLOB	UNIF	NV	0	5
5226	LOAD X	6011004	24.91-	16	4.15-	17	GLOB	UNIF	NV	0	5
5227	LOAD Y	6011004	24.91-	22	4.15-	21	GLOB	UNIF	NV	0	5
5228	LOAD Z	6011004	24.91-	09	4.15-	09	GLOB	UNIF	NV	0	5
5229	LOAD X	6011004	29.06-	17	4.15-	12	GLOB	UNIF	NV	0	5
5230	LOAD Y	6011004	29.06-	21	4.15-	15	GLOB	UNIF	NV	0	5
5231	LOAD Z	6011004	29.06-	09	4.15-	06	GLOB	UNIF	NV	0	5
5232	LOAD X	6011004	33.22-	12	4.15-	06	GLOB	UNIF	NV	0	5
5233	LOAD Y	6011004	33.22-	15	4.15-	06	GLOB	UNIF	NV	0	5
5234	LOAD Z	6011004	33.22-	06	4.15-	04	GLOB	UNIF	NV	0	5
5235	LOAD X	6011004	37.37-	06	4.15-	1	GLOB	UNIF	NV	0	5
5236	LOAD Y	6011004	37.37-	09	4.15-	1	GLOB	UNIF	NV	0	5
5237	LOAD Z	6011004	37.37-	04	4.15		GLOB	UNIF	NV	0	5
5238	LOAD X	6061004	0.00-	22	4.15-	21	GLOB	UNIF	NV	0	5
5239	LOAD Y	6061004	0.00-	27	4.15-	26	GLOB	UNIF	NV	0	5
5240	LOAD Z	6061004	0.00	06	4.15	06	GLOB	UNIF	NV	0	5
5241	LOAD X	6061004	4.15-	21	4.15-	20	GLOB	UNIF	NV	0	5
5242	LOAD Y	6061004	4.15-	26	4.15-	25	GLOB	UNIF	NV	0	5
5243	LOAD Z	6061004	4.15	06	4.15	06	GLOB	UNIF	NV	0	5

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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         1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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5244	LOAD	X	8061004	6.30-	20	4.15-	19	GLOB UNIF	WV	0 5
5245	LOAD	Y	8061004	6.30-	25	4.15-	24	GLOB UNIF	WV	0 5
5246	LOAD	Z	8061004	6.30	06	4.15	05	GLOB UNIF	WV	0 5
5247	LOAD	X	8061004	12.46-	19	4.15-	19	GLOB UNIF	WV	0 5
5248	LOAD	Y	8061004	12.46-	24	4.15-	24	GLOB UNIF	WV	0 5
5249	LOAD	Z	8061004	12.46	05	4.15	05	GLOB UNIF	WV	0 5
5250	LOAD	X	8061004	16.61-	19	4.15-	18	GLOB UNIF	WV	0 5
5251	LOAD	Y	8061004	16.61-	24	4.15-	23	GLOB UNIF	WV	0 5
5252	LOAD	Z	8061004	16.61	05	4.15	05	GLOB UNIF	WV	0 5
5253	LOAD	X	8061004	20.76-	18	4.15-	18	GLOB UNIF	WV	0 5
5254	LOAD	Y	8061004	20.76-	23	4.15-	23	GLOB UNIF	WV	0 5
5255	LOAD	Z	8061004	20.76	05	4.15	05	GLOB UNIF	WV	0 5
5256	LOAD	X	8061004	24.91-	18	4.15-	17	GLOB UNIF	WV	0 5
5257	LOAD	Y	8061004	24.91-	23	4.15-	22	GLOB UNIF	WV	0 5
5258	LOAD	Z	8061004	24.91	05	4.15	05	GLOB UNIF	WV	0 5
5259	LOAD	X	8061004	29.07-	17	4.15-	13	GLOB UNIF	WV	0 5
5260	LOAD	Y	8061004	29.07-	22	4.15-	14	GLOB UNIF	WV	0 5
5261	LOAD	Z	8061004	29.07	05	4.15	02	GLOB UNIF	WV	0 5
5262	LOAD	X	8061004	33.22-	13	4.15-	07	GLOB UNIF	WV	0 5
5263	LOAD	Y	8061004	33.22-	14	4.15-	08	GLOB UNIF	WV	0 5
5264	LOAD	Z	8061004	33.22	02	4.15	1	GLOB UNIF	WV	0 5
5265	LOAD	X	8061004	37.37-	07	4.15-	1	GLOB UNIF	WV	0 5
5266	LOAD	Y	8061004	37.37-	08	4.15-	1	GLOB UNIF	WV	0 5
5267	LOAD	Z	8061004	37.37	1	4.15		GLOB UNIF	WV	0 5
5268	LOAD	Y	10011002	0.00-	03	5.71-	03	GLOB UNIF	WV	0 5
5269	LOAD	Y	10011002	5.71-	03	5.71-	03	GLOB UNIF	WV	0 5
5270	LOAD	Y	10011002	11.43-	03	5.71-	04	GLOB UNIF	WV	0 5
5271	LOAD	Y	10011002	17.14-	04	5.71-	04	GLOB UNIF	WV	0 5
5272	LOAD	Y	10011002	22.86-	04	5.71-	04	GLOB UNIF	WV	0 5
5273	LOAD	Y	10021003	0.00-	04	5.71-	04	GLOB UNIF	WV	0 5
5274	LOAD	Y	10021003	5.71-	04	5.71-	05	GLOB UNIF	WV	0 5
5275	LOAD	Y	10021003	11.43-	05	5.71-	04	GLOB UNIF	WV	0 5
5276	LOAD	Y	10021003	17.14-	04	5.71-	04	GLOB UNIF	WV	0 5
5277	LOAD	Y	10021003	22.86-	04	5.71-	04	GLOB UNIF	WV	0 5
5278	LOAD	X	10011004	0.00-	03	5.71-	02	GLOB UNIF	WV	0 5
5279	LOAD	Y	10011004	0.00-	02	5.71-	1	GLOB UNIF	WV	0 5
5280	LOAD	X	10011004	5.71-	02	5.71-	02	GLOB UNIF	WV	0 5
5281	LOAD	Y	10011004	5.71-	1	5.71-	1	GLOB UNIF	WV	0 5
5282	LOAD	X	10011004	11.43-	02	5.71-	02	GLOB UNIF	WV	0 5
5283	LOAD	Y	10011004	11.43-	1	5.71-	1	GLOB UNIF	WV	0 5
5284	LOAD	X	10011004	17.14-	02	5.71-	02	GLOB UNIF	WV	0 5
5285	LOAD	Y	10011004	17.14-	1	5.71-	1	GLOB UNIF	WV	0 5
5286	LOAD	X	10011004	22.85-	02	5.71-	02	GLOB UNIF	WV	0 5
5287	LOAD	Y	10011004	22.85-	1	5.71-	1	GLOB UNIF	WV	0 5
5288	LOAD	X	10041006	0.00-	02	5.71-	1	GLOB UNIF	WV	0 5
5289	LOAD	Y	10041006	0.00-	1	5.71-	1	GLOB UNIF	WV	0 5
5290	LOAD	X	10041006	5.71-	1	5.71-	1	GLOB UNIF	WV	0 5
5291	LOAD	Y	10041006	5.71-	1	5.71-	1	GLOB UNIF	WV	0 5
5292	LOAD	X	10041006	11.43-	1	5.71-	1	GLOB UNIF	WV	0 5

STRAN INPUT DATA

S-PILE 4CMK STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  5293   LOAD Y 10041005   11.43-    1   5.71                       GLOB UNIF   WV 0 5
  5294   LOAD X 10041005   17.14-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5295   LOAD X 10041005   22.06-    1   5.71                       GLOB UNIF   WV 0 5
  5296   LOAD X 10021005    0.00-   02   5.71-    1                 GLOB UNIF   WV 0 5
  5297   LOAD Y 10021005    0.00-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5298   LOAD X 10021005    5.71-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5299   LOAD Y 10021005    5.71-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5300   LOAD X 10021005   11.43-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5301   LOAD Y 10021005   11.43-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5302   LOAD X 10021005   17.14-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5303   LOAD Y 10021005   17.14-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5304   LOAD X 10021005   22.06-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5305   LOAD Y 10021005   22.06-    1   5.71-    1                 GLOB UNIF   WV 0 5
  5306   LOAD Y 10041005    0.00-    1   5.72-    1                 GLOB UNIF   WV 0 5
  5307   LOAD Y 10041005    5.72-    1   5.72-    1                 GLOB UNIF   WV 0 5
  5308   LOAD Y 10041005   11.43-    1   5.72-    1                 GLOB UNIF   WV 0 5
  5309   LOAD Y 10041005   17.15-    1   5.72-   02                 GLOB UNIF   WV 0 5
  5310   LOAD Y 10041005   22.05-   02   5.72-   02                 GLOB UNIF   WV 0 5
  5311   LOAD X   201 301   7.90-   87   1.42-   80                 GLOB UNIF   WV 0 5
  5312   LOAD Y   201 301   7.90-  116   1.42-  139                 GLOB UNIF   WV 0 5
  5313   LOAD X   201 301   9.32-   80   1.42-   94                 GLOB UNIF   WV 0 5
  5314   LOAD Y   201 301   9.32-  139   1.42-  163                 GLOB UNIF   WV 0 5
  5315   LOAD X   201 301  10.74-   94   1.42-  100                 GLOB UNIF   WV 0 5
  5316   LOAD Y   201 301  10.74-  163   1.42-  173                 GLOB UNIF   WV 0 5
  5317   LOAD X   201 301  12.16-  100   1.42-  104                 GLOB UNIF   WV 0 5
  5318   LOAD Y   201 301  12.16-  173   1.42-  180                 GLOB UNIF   WV 0 5
  5319   LOAD X   201 301  13.58-  104   1.42-  108                 GLOB UNIF   WV 0 5
  5320   LOAD Y   201 301  13.58-  180   1.42-  187                 GLOB UNIF   WV 0 5
  5321   LOAD X   206 306   5.64-   41   1.87-   54                 GLOB UNIF   WV 0 5
  5322   LOAD Y   206 306   5.64-   71   1.87-   94                 GLOB UNIF   WV 0 5
  5323   LOAD X   206 306   7.52-   54   1.87-   68                 GLOB UNIF   WV 0 5
  5324   LOAD Y   206 306   7.52-   94   1.87-  118                 GLOB UNIF   WV 0 5
  5325   LOAD X   206 306   9.39-   68   1.87-   81                 GLOB UNIF   WV 0 5
  5326   LOAD Y   206 306   9.39-  118   1.87-  140                 GLOB UNIF   WV 0 5
  5327   LOAD X   206 306  11.26-   81   1.87-   88                 GLOB UNIF   WV 0 5
  5328   LOAD Y   206 306  11.26-  140   1.87-  152                 GLOB UNIF   WV 0 5
  5329   LOAD X   206 306  13.13-   88   1.87-   95                 GLOB UNIF   WV 0 5
  5330   LOAD Y   206 306  13.13-  152   1.87-  164                 GLOB UNIF   WV 0 5
  5331   LOAD X   301 401   0.00-  108   5.70-  124                 GLOB UNIF   WV 0 5
  5332   LOAD Y   301 401   0.00-  157   5.70-  215                 GLOB UNIF   WV 0 5
  5333   LOAD X   301 401   5.70-  124   5.70-  127                 GLOB UNIF   WV 0 5
  5334   LOAD Y   301 401   5.70-  215   5.70-  219                 GLOB UNIF   WV 0 5
  5335   LOAD X   301 401  11.40-  127   5.70-  123                 GLOB UNIF   WV 0 5
  5336   LOAD Y   301 401  11.40-  219   5.70-  213                 GLOB UNIF   WV 0 5
  5337   LOAD X   301 401  17.10-  123   5.70-   96                 GLOB UNIF   WV 0 5
  5338   LOAD Y   301 401  17.10-  213   5.70-  167                 GLOB UNIF   WV 0 5
  5339   LOAD X   301 401  22.80-   96   5.70-   77                 GLOB UNIF   WV 0 5
  5340   LOAD Y   301 401  22.80-  167   5.70-  133                 GLOB UNIF   WV 0 5
  5341   LOAD X   303 403   1.52-   37   4.50-   96                 GLOB UNIF   WV 0 5
```

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                    1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
5542	LOAD	Y	303	403	1.52-	64	4.50-	170	GLOB	UNIF	MV	0	5
5543	LOAD	X	303	403	6.02-	98	4.50-	108	GLOB	UNIF	MV	0	5
5544	LOAD	Y	303	403	6.02-	170	4.50-	187	GLOB	UNIF	MV	0	5
5545	LOAD	X	303	403	10.51-	108	4.50-	117	GLOB	UNIF	MV	0	5
5546	LOAD	Y	303	403	10.51-	187	4.50-	203	GLOB	UNIF	MV	0	5
5547	LOAD	X	303	403	15.01-	117	4.50-	106	GLOB	UNIF	MV	0	5
5548	LOAD	Y	303	403	15.01-	203	4.50-	183	GLOB	UNIF	MV	0	5
5549	LOAD	X	303	403	19.51-	106	4.50-	89	GLOB	UNIF	MV	0	5
5550	LOAD	Y	303	403	19.51-	183	4.50-	154	GLOB	UNIF	MV	0	5
5551	LOAD	X	303	403	24.00-	89	4.50-	77	GLOB	UNIF	MV	0	5
5552	LOAD	Y	303	403	24.00-	154	4.50-	133	GLOB	UNIF	MV	0	5
5553	LOAD	X	306	406	0.00-	95	5.70-	115	GLOB	UNIF	MV	0	5
5554	LOAD	Y	306	406	0.00-	164	5.70-	199	GLOB	UNIF	MV	0	5
5555	LOAD	X	306	406	5.70-	115	5.70-	115	GLOB	UNIF	MV	0	5
5556	LOAD	Y	306	406	5.70-	199	5.70-	199	GLOB	UNIF	MV	0	5
5557	LOAD	X	306	406	11.40-	115	5.70-	109	GLOB	UNIF	MV	0	5
5558	LOAD	Y	306	406	11.40-	199	5.70-	189	GLOB	UNIF	MV	0	5
5559	LOAD	X	306	406	17.10-	109	5.70-	85	GLOB	UNIF	MV	0	5
5560	LOAD	Y	306	406	17.10-	189	5.70-	148	GLOB	UNIF	MV	0	5
5561	LOAD	X	306	406	22.80-	85	5.70-	68	GLOB	UNIF	MV	0	5
5562	LOAD	Y	306	406	22.80-	148	5.70-	118	GLOB	UNIF	MV	0	5
5563	LOAD	X	401	501	0.00-	142	.91-	139	GLOB	UNIF	MV	0	5
5564	LOAD	Y	401	501	0.00-	217	.91-	212	GLOB	UNIF	MV	0	5
5565	LOAD	Z	401	501	0.00-	02	.91-	02	GLOB	UNIF	MV	0	5
5566	LOAD	X	401	501	.91-	139	.91-	136	GLOB	UNIF	MV	0	5
5567	LOAD	Y	401	501	.91-	212	.91-	207	GLOB	UNIF	MV	0	5
5568	LOAD	Z	401	501	.91-	02	.91-	02	GLOB	UNIF	MV	0	5
5569	LOAD	X	401	501	1.83-	136	.91-	133	GLOB	UNIF	MV	0	5
5570	LOAD	Y	401	501	1.83-	207	.91-	203	GLOB	UNIF	MV	0	5
5571	LOAD	Z	401	501	1.83-	02	.91-	02	GLOB	UNIF	MV	0	5
5572	LOAD	X	401	501	2.74-	133	.91-	130	GLOB	UNIF	MV	0	5
5573	LOAD	Y	401	501	2.74-	203	.91-	198	GLOB	UNIF	MV	0	5
5574	LOAD	Z	401	501	2.74-	02	.91-	02	GLOB	UNIF	MV	0	5
5575	LOAD	X	401	501	3.65-	130	.91-	128	GLOB	UNIF	MV	0	5
5576	LOAD	Y	401	501	3.65-	198	.91-	193	GLOB	UNIF	MV	0	5
5577	LOAD	Z	401	501	3.65-	02	.91-	02	GLOB	UNIF	MV	0	5
5578	LOAD	X	403	503	0.00-	123	.91-	121	GLOB	UNIF	MV	0	5
5579	LOAD	Y	403	503	0.00-	229	.91-	224	GLOB	UNIF	MV	0	5
5580	LOAD	Z	403	503	0.00	37	.91	36	GLOB	UNIF	MV	0	5
5581	LOAD	X	403	503	.91-	121	.91-	118	GLOB	UNIF	MV	0	5
5582	LOAD	Y	403	503	.91-	224	.91-	219	GLOB	UNIF	MV	0	5
5583	LOAD	Z	403	503	.91	36	.91	35	GLOB	UNIF	MV	0	5
5584	LOAD	X	403	503	1.83-	118	.91-	115	GLOB	UNIF	MV	0	5
5585	LOAD	Y	403	503	1.83-	219	.91-	214	GLOB	UNIF	MV	0	5
5586	LOAD	Z	403	503	1.83	35	.91	35	GLOB	UNIF	MV	0	5
5587	LOAD	X	403	503	2.74-	115	.91-	113	GLOB	UNIF	MV	0	5
5588	LOAD	Y	403	503	2.74-	214	.91-	210	GLOB	UNIF	MV	0	5
5589	LOAD	Z	403	503	2.74	35	.91	34	GLOB	UNIF	MV	0	5
5590	LOAD	X	403	503	3.65-	113	.91-	110	GLOB	UNIF	MV	0	5

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

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                1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
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LINE NO.													
5391	LOAD	Y	403	503	3.65-	210	.91-	205	GLOB	UNIF	WV	0	5
5392	LOAD	Z	403	503	3.65	34	.91	33	GLOB	UNIF	WV	0	5
5393	LOAD	A	406	506	0.00-	106	.91-	103	GLOB	UNIF	WV	0	5
5394	LOAD	Y	406	506	0.00-	194	.91-	190	GLOB	UNIF	WV	0	5
5395	LOAD	Z	406	506	0.00-	32	.91-	32	GLOB	UNIF	WV	0	5
5396	LOAD	A	406	506	.91-	105	.91-	101	GLOB	UNIF	WV	0	5
5397	LOAD	Y	406	506	.91-	190	.91-	185	GLOB	UNIF	WV	0	5
5398	LOAD	Z	406	506	.91-	32	.91-	31	GLOB	UNIF	WV	0	5
5399	LOAD	A	406	506	1.82-	101	.91-	99	GLOB	UNIF	WV	0	5
5400	LOAD	Y	406	506	1.82-	185	.91-	181	GLOB	UNIF	WV	0	5
5401	LOAD	Z	406	506	1.82-	31	.91-	30	GLOB	UNIF	WV	0	5
5402	LOAD	A	406	506	2.74-	99	.91-	96	GLOB	UNIF	WV	0	5
5403	LOAD	Y	406	506	2.74-	181	.91-	177	GLOB	UNIF	WV	0	5
5404	LOAD	Z	406	506	2.74-	30	.91-	29	GLOB	UNIF	WV	0	5
5405	LOAD	A	406	506	3.65-	96	.91-	94	GLOB	UNIF	WV	0	5
5406	LOAD	Y	406	506	3.65-	177	.91-	173	GLOB	UNIF	WV	0	5
5407	LOAD	Z	406	506	3.65-	29	.91-	29	GLOB	UNIF	WV	0	5
5408	LOAD	A	501	601	0.00-	126	1.22-	122	GLOB	UNIF	WV	0	5
5409	LOAD	Y	501	601	0.00-	191	1.22-	185	GLOB	UNIF	WV	0	5
5410	LOAD	Z	501	601	0.00-	02	1.22-	02	GLOB	UNIF	WV	0	5
5411	LOAD	A	501	601	1.22-	122	1.22-	118	GLOB	UNIF	WV	0	5
5412	LOAD	Y	501	601	1.22-	185	1.22-	179	GLOB	UNIF	WV	0	5
5413	LOAD	Z	501	601	1.22-	02	1.22-	02	GLOB	UNIF	WV	0	5
5414	LOAD	A	501	601	2.43-	118	1.22-	115	GLOB	UNIF	WV	0	5
5415	LOAD	Y	501	601	2.43-	179	1.22-	174	GLOB	UNIF	WV	0	5
5416	LOAD	Z	501	601	2.43-	02	1.22-	02	GLOB	UNIF	WV	0	5
5417	LOAD	A	501	601	3.65-	115	1.22-	112	GLOB	UNIF	WV	0	5
5418	LOAD	Y	501	601	3.65-	174	1.22-	170	GLOB	UNIF	WV	0	5
5419	LOAD	Z	501	601	3.65-	02	1.22-	02	GLOB	UNIF	WV	0	5
5420	LOAD	A	501	601	4.87-	112	1.22-	110	GLOB	UNIF	WV	0	5
5421	LOAD	Y	501	601	4.87-	170	1.22-	165	GLOB	UNIF	WV	0	5
5422	LOAD	Z	501	601	4.87-	02	1.22-	02	GLOB	UNIF	WV	0	5
5423	LOAD	A	503	603	0.00-	109	1.22-	105	GLOB	UNIF	WV	0	5
5424	LOAD	Y	503	603	0.00-	202	1.22-	196	GLOB	UNIF	WV	0	5
5425	LOAD	Z	503	603	0.00	32	1.22	31	GLOB	UNIF	WV	0	5
5426	LOAD	A	503	603	1.22-	105	1.22-	102	GLOB	UNIF	WV	0	5
5427	LOAD	Y	503	603	1.22-	196	1.22-	190	GLOB	UNIF	WV	0	5
5428	LOAD	Z	503	603	1.22	31	1.22	30	GLOB	UNIF	WV	0	5
5429	LOAD	A	503	603	2.43-	102	1.22-	99	GLOB	UNIF	WV	0	5
5430	LOAD	Y	503	603	2.43-	190	1.22-	184	GLOB	UNIF	WV	0	5
5431	LOAD	Z	503	603	2.43	30	1.22	29	GLOB	UNIF	WV	0	5
5432	LOAD	A	503	603	3.65-	99	1.22-	96	GLOB	UNIF	WV	0	5
5433	LOAD	Y	503	603	3.65-	184	1.22-	180	GLOB	UNIF	WV	0	5
5434	LOAD	Z	503	603	3.65	29	1.22	29	GLOB	UNIF	WV	0	5
5435	LOAD	A	503	603	4.87-	96	1.22-	94	GLOB	UNIF	WV	0	5
5436	LOAD	Y	503	603	4.87-	180	1.22-	176	GLOB	UNIF	WV	0	5
5437	LOAD	Z	503	603	4.87	29	1.22	28	GLOB	UNIF	WV	0	5
5438	LOAD	A	506	606	0.00-	93	1.22-	90	GLOB	UNIF	WV	0	5
5439	LOAD	Y	506	606	0.00-	171	1.22-	166	GLOB	UNIF	WV	0	5

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

  5440  LOAD Z  506 606   0.00-   26   1.22-   26                   GLOB UNIF    WV 0 5
  5441  LOAD X  506 606   1.22-   90   1.22-   87                   GLOB UNIF    WV 0 5
  5442  LOAD Y  506 606   1.22-  166   1.22-  160                   GLOB UNIF    WV 0 5
  5443  LOAD Z  506 606   1.22-   26   1.22-   27                   GLOB UNIF    WV 0 5
  5444  LOAD X  506 606   2.43-   87   1.22-   84                   GLOB UNIF    WV 0 5
  5445  LOAD Y  506 606   2.43-  160   1.22-  156                   GLOB UNIF    WV 0 5
  5446  LOAD Z  506 606   2.43-   27   1.22-   26                   GLOB UNIF    WV 0 5
  5447  LOAD X  506 606   3.65-   84   1.22-   82                   GLOB UNIF    WV 0 5
  5448  LOAD Y  506 606   3.65-  156   1.22-  152                   GLOB UNIF    WV 0 5
  5449  LOAD Z  506 606   3.65-   26   1.22-   25                   GLOB UNIF    WV 0 5
  5450  LOAD X  506 606   4.87-   82   1.22-   80                   GLOB UNIF    WV 0 5
  5451  LOAD Y  506 606   4.87-  152   1.22-  148                   GLOB UNIF    WV 0 5
  5452  LOAD Z  506 606   4.87-   25   1.22-   25                   GLOB UNIF    WV 0 5
  5453  LOAD X  601 651   0.00-  110   1.22-  107                   GLOB UNIF    WV 0 5
  5454  LOAD Y  601 651   0.00-  165   1.22-  161                   GLOB UNIF    WV 0 5
  5455  LOAD Z  601 651   0.00-   02   1.22-   02                   GLOB UNIF    WV 0 5
  5456  LOAD X  601 651   1.22-  107   1.22-  104                   GLOB UNIF    WV 0 5
  5457  LOAD Y  601 651   1.22-  161   1.22-  157                   GLOB UNIF    WV 0 5
  5458  LOAD Z  601 651   1.22-   02   1.22-   02                   GLOB UNIF    WV 0 5
  5459  LOAD X  601 651   2.43-  104   1.22-  102                   GLOB UNIF    WV 0 5
  5460  LOAD Y  601 651   2.43-  157   1.22-  153                   GLOB UNIF    WV 0 5
  5461  LOAD Z  601 651   2.43-   02   1.22-   02                   GLOB UNIF    WV 0 5
  5462  LOAD X  601 651   3.65-  102   1.22-   99                   GLOB UNIF    WV 0 5
  5463  LOAD Y  601 651   3.65-  153   1.22-  149                   GLOB UNIF    WV 0 5
  5464  LOAD Z  601 651   3.65-   02   1.22-   02                   GLOB UNIF    WV 0 5
  5465  LOAD X  601 651   4.87-   99   1.22-   96                   GLOB UNIF    WV 0 5
  5466  LOAD Y  601 651   4.87-  149   1.22-  144                   GLOB UNIF    WV 0 5
  5467  LOAD Z  601 651   4.87-   02   1.22-   02                   GLOB UNIF    WV 0 5
  5468  LOAD X  603 653   0.00-   94   1.22-   92                   GLOB UNIF    WV 0 5
  5469  LOAD Y  603 653   0.00-  176   1.22-  172                   GLOB UNIF    WV 0 5
  5470  LOAD Z  603 653   0.00    26   1.22    26                   GLOB UNIF    WV 0 5
  5471  LOAD X  603 653   1.22-   92   1.22-   90                   GLOB UNIF    WV 0 5
  5472  LOAD Y  603 653   1.22-  172   1.22-  168                   GLOB UNIF    WV 0 5
  5473  LOAD Z  603 653   1.22    26   1.22    27                   GLOB UNIF    WV 0 5
  5474  LOAD X  603 653   2.43-   90   1.22-   87                   GLOB UNIF    WV 0 5
  5475  LOAD Y  603 653   2.43-  168   1.22-  164                   GLOB UNIF    WV 0 5
  5476  LOAD Z  603 653   2.43    27   1.22    26                   GLOB UNIF    WV 0 5
  5477  LOAD X  603 653   3.65-   87   1.22-   85                   GLOB UNIF    WV 0 5
  5478  LOAD Y  603 653   3.65-  164   1.22-  160                   GLOB UNIF    WV 0 5
  5479  LOAD Z  603 653   3.65    26   1.22    26                   GLOB UNIF    WV 0 5
  5480  LOAD X  603 653   4.87-   85   1.22-   83                   GLOB UNIF    WV 0 5
  5481  LOAD Y  603 653   4.87-  160   1.22-  156                   GLOB UNIF    WV 0 5
  5482  LOAD Z  603 653   4.87    26   1.22    25                   GLOB UNIF    WV 0 5
  5483  LOAD X  606 656   0.00-   80   1.22-   78                   GLOB UNIF    WV 0 5
  5484  LOAD Y  606 656   0.00-  148   1.22-  144                   GLOB UNIF    WV 0 5
  5485  LOAD Z  606 656   0.00-   25   1.22-   24                   GLOB UNIF    WV 0 5
  5486  LOAD X  606 656   1.22-   78   1.22-   76                   GLOB UNIF    WV 0 5
  5487  LOAD Y  606 656   1.22-  144   1.22-  140                   GLOB UNIF    WV 0 5
  5488  LOAD Z  606 656   1.22-   24   1.22-   23                   GLOB UNIF    WV 0 5
```

S T R A N I N ⊙ I D A T A

3-PILE ACMN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSUN

LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

LINE NO.												
5489	LUAD X	606 656	2.43-	76	1.22-	74	GLOB	UNIF	WV	0	5
5490	LUAD Y	606 656	2.43-	140	1.22-	136	GLOB	UNIF	WV	0	5
5491	LUAD Z	606 656	2.43-	23	1.22-	23	GLOB	UNIF	WV	0	5
5492	LUAD X	606 656	3.65-	74	1.22-	72	GLOB	UNIF	WV	0	5
5493	LUAD Y	606 656	3.65-	136	1.22-	132	GLOB	UNIF	WV	0	5
5494	LUAD Z	606 656	3.65-	23	1.22-	22	GLOB	UNIF	WV	0	5
5495	LUAD X	606 656	4.87-	72	1.22-	69	GLOB	UNIF	WV	0	5
5496	LUAD Y	606 656	4.87-	132	1.22-	129	GLOB	UNIF	WV	0	5
5497	LUAD Z	606 656	4.87-	22	1.22-	21	GLOB	UNIF	WV	0	5
5498	LUAD X	651 651	0.00-	151	1.22-	147	GLOB	UNIF	WV	0	5
5499	LUAD Y	651 651	0.00-	215	1.22-	209	GLOB	UNIF	WV	0	5
5500	LUAD Z	651 651	0.00-	04	1.22-	04	GLOB	UNIF	WV	0	5
5501	LUAD X	651 651	1.22-	147	1.22-	144	GLOB	UNIF	WV	0	5
5502	LUAD Y	651 651	1.22-	209	1.22-	205	GLOB	UNIF	WV	0	5
5503	LUAD Z	651 651	1.22-	04	1.22-	03	GLOB	UNIF	WV	0	5
5504	LUAD X	651 651	2.43-	144	1.22-	141	GLOB	UNIF	WV	0	5
5505	LUAD Y	651 651	2.43-	205	1.22-	201	GLOB	UNIF	WV	0	5
5506	LUAD Z	651 651	2.43-	03	1.22-	03	GLOB	UNIF	WV	0	5
5507	LUAD X	651 651	3.65-	141	1.22-	138	GLOB	UNIF	WV	0	5
5508	LUAD Y	651 651	3.65-	201	1.22-	196	GLOB	UNIF	WV	0	5
5509	LUAD Z	651 651	3.65-	03	1.22-	03	GLOB	UNIF	WV	0	5
5510	LUAD X	651 651	4.87-	138	1.22-	135	GLOB	UNIF	WV	0	5
5511	LUAD Y	651 651	4.87-	196	1.22-	192	GLOB	UNIF	WV	0	5
5512	LUAD Z	651 651	4.87-	03	1.22-	03	GLOB	UNIF	WV	0	5
5513	LUAD X	653 653	0.00-	130	1.22-	127	GLOB	UNIF	WV	0	5
5514	LUAD Y	653 653	0.00-	249	1.22-	242	GLOB	UNIF	WV	0	5
5515	LUAD Z	653 653	0.00	39	1.22	36	GLOB	UNIF	WV	0	5
5516	LUAD X	653 653	1.22-	127	1.22-	124	GLOB	UNIF	WV	0	5
5517	LUAD Y	653 653	1.22-	242	1.22-	236	GLOB	UNIF	WV	0	5
5518	LUAD Z	653 653	1.22	36	1.22	36	GLOB	UNIF	WV	0	5
5519	LUAD X	653 653	2.43-	124	1.22-	121	GLOB	UNIF	WV	0	5
5520	LUAD Y	653 653	2.43-	236	1.22-	233	GLOB	UNIF	WV	0	5
5521	LUAD Z	653 653	2.43	36	1.22	37	GLOB	UNIF	WV	0	5
5522	LUAD X	653 653	3.65-	121	1.22-	119	GLOB	UNIF	WV	0	5
5523	LUAD Y	653 653	3.65-	233	1.22-	226	GLOB	UNIF	WV	0	5
5524	LUAD Z	653 653	3.65	37	1.22	36	GLOB	UNIF	WV	0	5
5525	LUAD X	653 653	4.87-	119	1.22-	116	GLOB	UNIF	WV	0	5
5526	LUAD Y	653 653	4.87-	226	1.22-	223	GLOB	UNIF	WV	0	5
5527	LUAD Z	653 653	4.87	36	1.22	35	GLOB	UNIF	WV	0	5
5528	LUAD X	656 656	0.00-	95	1.22-	92	GLOB	UNIF	WV	0	5
5529	LUAD Y	656 656	0.00-	184	1.22-	179	GLOB	UNIF	WV	0	5
5530	LUAD Z	656 656	0.00-	31	1.22-	30	GLOB	UNIF	WV	0	5
5531	LUAD X	656 656	1.22-	92	1.22-	90	GLOB	UNIF	WV	0	5
5532	LUAD Y	656 656	1.22-	179	1.22-	175	GLOB	UNIF	WV	0	5
5533	LUAD Z	656 656	1.22-	30	1.22-	29	GLOB	UNIF	WV	0	5
5534	LUAD X	656 656	2.43-	90	1.22-	86	GLOB	UNIF	WV	0	5
5535	LUAD Y	656 656	2.43-	175	1.22-	170	GLOB	UNIF	WV	0	5
5536	LUAD Z	656 656	2.43-	29	1.22-	28	GLOB	UNIF	WV	0	5
5537	LUAD X	656 656	3.65-	88	1.22-	85	GLOB	UNIF	WV	0	5

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                 1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

    5538   LOAD Y  656 656   3.65-   170   1.22-   160               GLOB UNIF   NV 0 5
    5539   LOAD Z  656 656   3.65-    28   1.22-    28               GLOB UNIF   NV 0 5
    5540   LOAD X  656 656   4.87-    85   1.22-    83               GLOB UNIF   NV 0 5
    5541   LOAD Y  656 656   4.87-   166   1.22-   161               GLOB UNIF   NV 0 5
    5542   LOAD Z  656 656   4.87-    28   1.22-    27               GLOB UNIF   NV 0 5
    5543   LOAD X  651 701   0.00-   135   1.42-   132               GLOB UNIF   NV 0 5
    5544   LOAD Y  651 701   0.00-   192   1.42-   187               GLOB UNIF   NV 0 5
    5545   LOAD Z  651 701   0.00-    04   1.42-    04               GLOB UNIF   NV 0 5
    5546   LOAD X  651 701   1.42-   132   1.42-   128               GLOB UNIF   NV 0 5
    5547   LOAD Y  651 701   1.42-   187   1.42-   182               GLOB UNIF   NV 0 5
    5548   LOAD Z  651 701   1.42-    04   1.42-    04               GLOB UNIF   NV 0 5
    5549   LOAD X  651 701   2.84-   128   1.42-   125               GLOB UNIF   NV 0 5
    5550   LOAD Y  651 701   2.84-   182   1.42-   177               GLOB UNIF   NV 0 5
    5551   LOAD Z  651 701   2.84-    04   1.42-    03               GLOB UNIF   NV 0 5
    5552   LOAD X  651 701   4.26-   125   1.42-   122               GLOB UNIF   NV 0 5
    5553   LOAD Y  651 701   4.26-   177   1.42-   173               GLOB UNIF   NV 0 5
    5554   LOAD Z  651 701   4.26-    03   1.42-    03               GLOB UNIF   NV 0 5
    5555   LOAD X  651 701   5.68-   122   1.42-   119               GLOB UNIF   NV 0 5
    5556   LOAD Y  651 701   5.68-   173   1.42-   169               GLOB UNIF   NV 0 5
    5557   LOAD Z  651 701   5.68-    03   1.42-    03               GLOB UNIF   NV 0 5
    5558   LOAD X  653 703   0.00-   116   1.42-   113               GLOB UNIF   NV 0 5
    5559   LOAD Y  653 703   0.00-   223   1.42-   217               GLOB UNIF   NV 0 5
    5560   LOAD Z  653 703   0.00     35   1.42     34               GLOB UNIF   NV 0 5
    5561   LOAD X  653 703   1.42-   113   1.42-   110               GLOB UNIF   NV 0 5
    5562   LOAD Y  653 703   1.42-   217   1.42-   211               GLOB UNIF   NV 0 5
    5563   LOAD Z  653 703   1.42     34   1.42     33               GLOB UNIF   NV 0 5
    5564   LOAD X  653 703   2.84-   110   1.42-   107               GLOB UNIF   NV 0 5
    5565   LOAD Y  653 703   2.84-   211   1.42-   206               GLOB UNIF   NV 0 5
    5566   LOAD Z  653 703   2.84     33   1.42     33               GLOB UNIF   NV 0 5
    5567   LOAD X  653 703   4.26-   107   1.42-   104               GLOB UNIF   NV 0 5
    5568   LOAD Y  653 703   4.26-   206   1.42-   200               GLOB UNIF   NV 0 5
    5569   LOAD Z  653 703   4.26     33   1.42     32               GLOB UNIF   NV 0 5
    5570   LOAD X  653 703   5.68-   104   1.42-   102               GLOB UNIF   NV 0 5
    5571   LOAD Y  653 703   5.68-   200   1.42-   196               GLOB UNIF   NV 0 5
    5572   LOAD Z  653 703   5.68     32   1.42     31               GLOB UNIF   NV 0 5
    5573   LOAD X  656 706   0.00-    83   1.42-    80               GLOB UNIF   NV 0 5
    5574   LOAD Y  656 706   0.00-   161   1.42-   156               GLOB UNIF   NV 0 5
    5575   LOAD Z  656 706   0.00-    27   1.42-    26               GLOB UNIF   NV 0 5
    5576   LOAD X  656 706   1.42-    80   1.42-    78               GLOB UNIF   NV 0 5
    5577   LOAD Y  656 706   1.42-   156   1.42-   151               GLOB UNIF   NV 0 5
    5578   LOAD Z  656 706   1.42-    26   1.42-    25               GLOB UNIF   NV 0 5
    5579   LOAD X  656 706   2.84-    78   1.42-    75               GLOB UNIF   NV 0 5
    5580   LOAD Y  656 706   2.84-   151   1.42-   146               GLOB UNIF   NV 0 5
    5581   LOAD Z  656 706   2.84-    25   1.42-    24               GLOB UNIF   NV 0 5
    5582   LOAD X  656 706   4.26-    75   1.42-    73               GLOB UNIF   NV 0 5
    5583   LOAD Y  656 706   4.26-   146   1.42-   142               GLOB UNIF   NV 0 5
    5584   LOAD Z  656 706   4.26-    24   1.42-    24               GLOB UNIF   NV 0 5
    5585   LOAD X  656 706   5.68-    73   1.42-    71               GLOB UNIF   NV 0 5
    5586   LOAD Y  656 706   5.68-   142   1.42-   138               GLOB UNIF   NV 0 5
```

S T R A N   I N P U T   D A T A

3-PILE ACOR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                   1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0
```

5587	LOAD Z	656 756	5.08=	24	1.42=	23	GLOB UNIF	WV 0 5
5588	LOAD X	701 901	0.00=	111	0.09=	99	GLOB UNIF	WV 0 5
5589	LOAD Y	701 901	0.00=	160	0.09=	142	GLOB UNIF	WV 0 5
5590	LOAD Z	701 901	0.00=	03	0.09=	02	GLOB UNIF	WV 0 5
5591	LOAD X	701 901	0.09=	99	0.09=	89	GLOB UNIF	WV 0 5
5592	LOAD Y	701 901	0.09=	142	0.09=	128	GLOB UNIF	WV 0 5
5593	LOAD Z	701 901	0.07=	02	0.09=	02	GLOB UNIF	WV 0 5
5594	LOAD X	701 901	15.79=	89	0.09=	80	GLOB UNIF	WV 0 5
5595	LOAD Y	701 901	15.79=	126	0.09=	116	GLOB UNIF	WV 0 5
5596	LOAD Z	701 901	15.79=	02	0.09=	02	GLOB UNIF	WV 0 5
5597	LOAD X	701 901	20.08=	80	0.09=	70	GLOB UNIF	WV 0 5
5598	LOAD Y	701 901	20.08=	116	0.09=	104	GLOB UNIF	WV 0 5
5599	LOAD Z	701 901	20.08=	02	0.07=	1	GLOB UNIF	WV 0 5
5600	LOAD X	701 901	27.57=	79	0.09=	65	GLOB UNIF	WV 0 5
5601	LOAD Y	701 901	27.57=	104	0.07=	97	GLOB UNIF	WV 0 5
5602	LOAD Z	701 901	27.57=	1	0.09=	1	GLOB UNIF	WV 0 5
5603	LOAD X	705 905	0.00=	96	0.07=	85	GLOB UNIF	WV 0 5
5604	LOAD Y	705 905	0.00=	183	0.09=	164	GLOB UNIF	WV 0 5
5605	LOAD Z	705 905	0.00	29	0.09	26	GLOB UNIF	WV 0 5
5606	LOAD X	705 905	0.39=	55	0.09=	70	GLOB UNIF	WV 0 5
5607	LOAD Y	705 905	0.39=	164	0.09=	149	GLOB UNIF	WV 0 5
5608	LOAD Z	705 905	0.37	26	0.09	24	GLOB UNIF	WV 0 5
5609	LOAD X	705 905	15.79=	76	0.09=	72	GLOB UNIF	WV 0 5
5610	LOAD Y	705 905	15.79=	149	0.09=	136	GLOB UNIF	WV 0 5
5611	LOAD Z	705 905	15.79	24	0.09	22	GLOB UNIF	WV 0 5
5612	LOAD X	705 905	20.08=	72	0.09=	65	GLOB UNIF	WV 0 5
5613	LOAD Y	705 905	20.08=	136	0.09=	123	GLOB UNIF	WV 0 5
5614	LOAD Z	705 905	20.08	22	0.09	20	GLOB UNIF	WV 0 5
5615	LOAD X	705 905	27.57=	65	0.09=	61	GLOB UNIF	WV 0 5
5616	LOAD Y	705 905	27.57=	123	0.09=	116	GLOB UNIF	WV 0 5
5617	LOAD Z	705 905	27.57	20	0.09	16	GLOB UNIF	WV 0 5
5618	LOAD X	706 906	0.00=	69	0.09=	60	GLOB UNIF	WV 0 5
5619	LOAD Y	706 906	0.00=	133	0.09=	116	GLOB UNIF	WV 0 5
5620	LOAD Z	706 906	0.00=	22	0.09=	19	GLOB UNIF	WV 0 5
5621	LOAD X	706 906	0.59=	60	0.09=	53	GLOB UNIF	WV 0 5
5622	LOAD Y	706 906	0.59=	116	0.09=	103	GLOB UNIF	WV 0 5
5623	LOAD Z	706 906	0.49=	19	0.07=	17	GLOB UNIF	WV 0 5
5624	LOAD X	706 906	15.79=	53	0.07=	48	GLOB UNIF	WV 0 5
5625	LOAD Y	706 906	15.79=	103	0.09=	91	GLOB UNIF	WV 0 5
5626	LOAD Z	706 906	15.79=	17	0.09=	15	GLOB UNIF	WV 0 5
5627	LOAD X	706 906	20.08=	48	0.09=	42	GLOB UNIF	WV 0 5
5628	LOAD Y	706 906	20.08=	91	0.09=	80	GLOB UNIF	WV 0 5
5629	LOAD Z	706 906	20.08=	15	0.09=	13	GLOB UNIF	WV 0 5
5630	LOAD X	706 906	27.58=	42	0.09=	36	GLOB UNIF	WV 0 5
5631	LOAD Y	706 906	27.58=	80	0.09=	72	GLOB UNIF	WV 0 5
5632	LOAD Z	706 906	27.58=	13	0.09=	12	GLOB UNIF	WV 0 5
5633	LOAD X	6011001	0.00=	65	3.03=	62	GLOB UNIF	WV 0 5
5634	LOAD Y	6011001	0.00=	97	3.03=	94	GLOB UNIF	WV 0 5
5635	LOAD Z	6011001	0.00=	1	3.03=	1	GLOB UNIF	WV 0 5

3-PILE ACMR STRUCTURE -- U.S. NAVY (12-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1...5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

   5636  LOAD X  M011001   5.65-   62  5.65-   59                 GLOB UNIF    WV 0 5
   5637  LOAD Y  M011001   5.65-   94  5.65-   90                 GLOB UNIF    WV 0 5
   5638  LOAD Z  M011001   5.65-    1  5.65-    1                 GLOB UNIF    WV 0 5
   5639  LOAD X  M011001   7.66-   59  5.65-   56                 GLOB UNIF    WV 0 5
   5640  LOAD Y  M011001   7.66-   90  5.65-   87                 GLOB UNIF    WV 0 5
   5641  LOAD Z  M011001   7.66-    1  5.65-    1                 GLOB UNIF    WV 0 5
   5642  LOAD X  M011001  11.49-   56  5.65-   53                 GLOB UNIF    WV 0 5
   5643  LOAD Y  M011001  11.49-   87  5.65-   84                 GLOB UNIF    WV 0 5
   5644  LOAD Z  M011001  11.49-    1  5.65-    1                 GLOB UNIF    WV 0 5
   5645  LOAD X  M011001  15.32-   53  5.65-   51                 GLOB UNIF    WV 0 5
   5646  LOAD Y  M011001  15.32-   84  5.65-   82                 GLOB UNIF    WV 0 5
   5647  LOAD Z  M011001  15.32-    1  5.65-    1                 GLOB UNIF    WV 0 5
   5648  LOAD X  M011001  19.15-   51  5.65-   49                 GLOB UNIF    WV 0 5
   5649  LOAD Y  M011001  19.15-   82  5.65-   80                 GLOB UNIF    WV 0 5
   5650  LOAD Z  M011001  19.15-    1  5.65                       GLOB UNIF    WV 0 5
   5651  LOAD X  M011001  22.98-   49  5.65-   36                 GLOB UNIF    WV 0 5
   5652  LOAD Y  M011001  22.98-   80  5.65-   66                 GLOB UNIF    WV 0 5
   5653  LOAD X  M011001  26.81-   36  5.65-   23                 GLOB UNIF    WV 0 5
   5654  LOAD Y  M011001  26.81-   66  5.65-   42                 GLOB UNIF    WV 0 5
   5655  LOAD X  M011001  30.64-   23  5.65-   10                 GLOB UNIF    WV 0 5
   5656  LOAD Y  M011001  30.64-   42  5.65-   17                 GLOB UNIF    WV 0 5
   5657  LOAD X  M031003   0.00-   61  4.92-   59                 GLOB UNIF    WV 0 5
   5658  LOAD Y  M031003   0.00-  116  4.92-  110                 GLOB UNIF    WV 0 5
   5659  LOAD Z  M031003   0.00    16  4.92    16                 GLOB UNIF    WV 0 5
   5660  LOAD X  M031003   4.92-   59  4.92-   57                 GLOB UNIF    WV 0 5
   5661  LOAD Y  M031003   4.92-  110  4.92-  105                 GLOB UNIF    WV 0 5
   5662  LOAD Z  M031003   4.92    16  4.92    17                 GLOB UNIF    WV 0 5
   5663  LOAD X  M031003   9.85-   57  4.92-   54                 GLOB UNIF    WV 0 5
   5664  LOAD Y  M031003   9.85-  105  4.92-  100                 GLOB UNIF    WV 0 5
   5665  LOAD Z  M031003   9.85    17  4.92    16                 GLOB UNIF    WV 0 5
   5666  LOAD X  M031003  14.77-   54  4.92-   53                 GLOB UNIF    WV 0 5
   5667  LOAD Y  M031003  14.77-  100  4.92-   97                 GLOB UNIF    WV 0 5
   5668  LOAD Z  M031003  14.77    16  4.92    16                 GLOB UNIF    WV 0 5
   5669  LOAD X  M031003  19.70-   53  4.92-   51                 GLOB UNIF    WV 0 5
   5670  LOAD Y  M031003  19.70-   97  4.92-   92                 GLOB UNIF    WV 0 5
   5671  LOAD Z  M031003  19.70    16  4.92    15                 GLOB UNIF    WV 0 5
   5672  LOAD X  M031003  24.62-   51  4.92-   36                 GLOB UNIF    WV 0 5
   5673  LOAD Y  M031003  24.62-   92  4.92-   65                 GLOB UNIF    WV 0 5
   5674  LOAD Z  M031003  24.62    15  4.92    11                 GLOB UNIF    WV 0 5
   5675  LOAD X  M031003  29.54-   36  4.92-   21                 GLOB UNIF    WV 0 5
   5676  LOAD Y  M031003  29.54-   65  4.92-   36                 GLOB UNIF    WV 0 5
   5677  LOAD Z  M031003  29.54    11  4.92    06                 GLOB UNIF    WV 0 5
   5678  LOAD X  M061006   0.00-   36  4.31-   36                 GLOB UNIF    WV 0 5
   5679  LOAD Y  M061006   0.00-   72  4.31-   67                 GLOB UNIF    WV 0 5
   5680  LOAD Z  M061006   0.00-   12  4.31-   11                 GLOB UNIF    WV 0 5
   5681  LOAD X  M061006   4.31-   36  4.31-   34                 GLOB UNIF    WV 0 5
   5682  LOAD Y  M061006   4.31-   67  4.31-   62                 GLOB UNIF    WV 0 5
   5683  LOAD Z  M061006   4.31-   11  4.31-   10                 GLOB UNIF    WV 0 5
   5684  LOAD X  M061006   8.62-   34  4.31-   31                 GLOB UNIF    WV 0 5
```

S T R A N   I N P U T   D A T A

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
                  1    1    2    2    3    3    4    4    5    5    6    6    7    7    8
LINE NO. 1....5....0....5....0....5....0....5....0....5....0....5....0....5....0....5....0

 5685   LOAD Y  8061006    8.62-   62   4.31-   57                GLOB UNIF     WV 0 5
 5686   LOAD Z  6051006    8.62-   10   4.31-   09                GLOB UNIF     WV 0 5
 5687   LOAD A  9061006   12.93-   31   4.31-   30                GLOB UNIF     WV 0 5
 5688   LOAD Y  6051006   12.93-   57   4.31-   53                GLOB UNIF     WV 0 5
 5689   LOAD Z  9051006   12.93-   09   4.31-   09                GLOB UNIF     WV 0 5
 5690   LOAD A  8061006   17.23-   30   4.31-   26                GLOB UNIF     WV 0 5
 5691   LOAD Y  8051006   17.23-   53   4.31-   50                GLOB UNIF     WV 0 5
 5692   LOAD Z  8051006   17.23-   09   4.31-   06                GLOB UNIF     WV 0 5
 5693   LOAD A  5061006   21.54-   28   4.31-   22                GLOB UNIF     WV 0 5
 5694   LOAD Y  8061006   21.54-   50   4.31-   40                GLOB UNIF     WV 0 5
 5695   LOAD Z  9051006   21.54-   20   4.31-   07                GLOB UNIF     WV 0 5
 5696   LOAD A  8061006   25.85-   22   4.31-   06                GLOB UNIF     WV 0 5
 5697   LOAD Y  7051006   25.85-   40   4.31-   12                GLOB UNIF     WV 0 5
 5698   LOAD Z  8051006   25.85-   07   4.31-   02                GLOB UNIF     WV 0 5
 5699   LOAD A  5061006   30.16-   06   1.75                      GLOB UNIF     WV 0 5
 5700   LOAD A  5051006   31.91         2.56    09                GLOB UNIF     WV 0 5
 5701   LOAD Y  9051006   30.16-   12   1.06                      GLOB UNIF     WV 0 5
 5702   LOAD Y  6051006   32.01         2.45    16                GLOB UNIF     WV 0 5
 5703   LOAD Z  8051006   30.16-   02   1.07                      GLOB UNIF     WV 0 5
 5704   LOAD Z  8061006   32.03         2.44    03                GLOB UNIF     WV 0 5
 5705   LOADCLN  0
 5706   LOAD Z  101 102           -500                            GLOB CONC    DL UPR
 5707   LOAD Z  103 105           -500                            GLOB CONC    DL UPR
 5708   LOAD Z  104 106    1440   -500                            GLOB CONC    DL UPR
 5709   LOAD Z  201 202           -500                            GLOB CONC    DL LWR
 5710   LOAD Z  203 205           -500                            GLOB CONC    DL LWR
 5711   LOAD Z  204 206    1440   -500                            GLOB CONC    DL LWR
 5712   LOAD Z  101 102           -042         -042               GLOB UNIF    LL UPR
 5713   LOAD Z  102 103           -042         -042               GLOB UNIF    LL UPR
 5714   LOAD Z  103 105           -042         -042               GLOB UNIF    LL UPR
 5715   LOAD Z  105 106           -042         -042               GLOB UNIF    LL UPR
 5716   LOAD Z  101 104           -042         -042               GLOB UNIF    LL UPR
 5717   LOAD Z  104 106           -042         -042               GLOB UNIF    LL UPR
 5718   LOAD Z  201 202           -063         -063               GLOB UNIF    LL EWM
 5719   LOAD Z  202 203           -063         -063               GLOB UNIF    LL EWM
 5720   LOAD Z  203 205           -160         -160               GLOB UNIF    LL EWM
 5721   LOAD Z  205 206           -160         -160               GLOB UNIF    LL EWM
 5722   LOAD Z  201 204           -063         -063               GLOB UNIF    LL EWM
 5723   LOAD Z  204 206           -063         -063               GLOB UNIF    LL EWM
 5724   LOAD Z  601 611     300  -1100                            GLOB CONC    BOAT LOG
 5725   LOAD Z  603 613     300  -1100                            GLOB CONC    BOAT LOG
 5726   LOAD Z  513 651           -120                            GLOB CONC    BOAT BUM
 5727   LOAD Z  514 653           -120                            GLOB UNIF    BOAT BUM
 5728   LOFCOMB
 5729   LOCOMB   7 100.    1 100.    3 100.    6
 5730   LOCOMB   8 100.    2 100.    3 100.    6
 5731   LOCOMB   9 100.    3 100.    4 100.    6
 5732   LOCOMB  10 100.    3 100.    5 100.    6
 5733   END
```

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILINGS) -- J.ATKINSON

DEPTH (FT) =	1.00								
FORCE (K/IN)	0.000	0.000							
DEFL (IN)	0.000	20.000							
DEPTH (FT) =	5.00								
FORCE (K/IN)	0.000	0.000							
DEFL (IN)	0.000	20.000							
DEPTH (FT) =	9.00								
FORCE (K/IN)	0.000	40.000	125.000	150.000	168.000	180.000	237.000	237.000	
DEFL (IN)	0.000	.019	.095	.250	.410	.700	1.580	20.000	
DEPTH (FT) =	14.00								
FORCE (K/IN)	0.000	194.000	545.000	876.000	1122.000	1440.000	2274.000	2274.000	
DEFL (IN)	0.000	.009	.085	.240	.410	.700	1.580	20.000	
DEPTH (FT) =	21.00								
FORCE (K/IN)	0.000	435.000	1064.000	1718.000	2210.000	2657.000	4572.000	4572.000	
DEFL (IN)	0.000	.013	.090	.240	.410	.700	1.580	20.000	
DEPTH (FT) =	21.00								
FORCE (K/IN)	0.000	198.000	687.000	1135.000	1469.000	1907.000	3051.000	3051.000	
DEFL (IN)	0.000	.006	.063	.240	.410	.700	1.580	20.000	
DEPTH (FT) =	29.00								
FORCE (K/IN)	0.000	400.000	1165.000	1902.000	2455.000	3181.000	5089.000	5089.000	
DEFL (IN)	0.000	.009	.066	.240	.410	.700	1.580	20.000	
DEPTH (FT) =	35.00								
FORCE (K/IN)	0.000	732.000	1794.000	2885.000	3711.000	4797.000	7675.000	7675.000	
DEFL (IN)	0.000	.013	.090	.240	.410	.700	1.580	20.000	
DEPTH (FT) =	35.00								
FORCE (K/IN)	0.000	1069.000	2970.000	4535.000	5752.000	7371.000	11794.000	11794.000	
DEFL (IN)	0.000	.031	.110	.250	.420	.700	1.580	20.000	
DEPTH (FT) =	39.00								
FORCE (K/IN)	0.000	2221.000	3726.000	5579.000	7042.000	8997.000	14395.000	14395.000	
DEFL (IN)	0.000	.037	.110	.260	.420	.700	1.580	20.000	
DEPTH (FT) =	54.00								
FORCE (K/IN)	0.000	4524.000	6794.000	9794.000	12220.000	15494.000	24790.000	24790.000	
DEFL (IN)	0.000	.053	.130	.270	.430	.700	1.580	20.000	
DEPTH (FT) =	55.00								
FORCE (K/IN)	0.000	774.000	1050.000	1425.000	1934.000	2625.000	2625.000		
DEFL (IN)	0.000	.075	.190	.470	1.160	2.940	20.000		

3-PILE ACOR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
DEPTH (FT) =    70.00
FORCE (K/IN)    0.000  774.000 1050.000 1425.000 1934.000 2625.000 2625.000
DEFL  (IN)      0.000     .075     .190     .470    1.160    2.940   20.000

DEPTH (FT) =    74.75
FORCE (K/IN)    0.000 5517.000 9473.00013656.00017939.00021603.00034566.00034566.000
DEFL  (IN)      0.000     .055     .150     .270     .450     .700    1.560   20.000

DEPTH (FT) =    144.00
FORCE (K/IN)    0.00011794.00017712.00025535.00031659.00040394.00064631.00064631.000
DEFL  (IN)      0.000     .055     .150     .270     .450     .700    1.580   20.000

DEPTH (FT) =    200.00
FORCE (K/IN)    0.00011794.00017712.00025535.00031659.00040394.00064631.00064631.000
DEFL  (IN)      0.000     .055     .150     .270     .450     .700    1.580   20.000
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

```
DEPTH (FT) =     0.00
FORCE (K/IN)     0.000     0.000
DEFL  (IN)       0.000    20.000

DEPTH (FT) =     5.00
FORCE (K/IN)     0.000     0.000
DEFL  (IN)       0.000    20.000

DEPTH (FT) =     8.00
FORCE (K/IN)     0.000    86.000   125.000   150.000   168.000   186.000   237.000   237.000
DEFL  (IN)       0.000      .019      .095      .250      .410      .700     1.580    20.000

DEPTH (FT) =    14.00
FORCE (K/IN)     0.000   194.000   545.000   876.000  1122.000  1440.000  2274.000  2274.000
DEFL  (IN)       0.000      .009      .065      .240      .410      .700     1.580    20.000

DEPTH (FT) =    21.00
FORCE (K/IN)     0.000   433.000  1064.000  1718.000  2210.000  2857.000  4572.000  4572.000
DEFL  (IN)       0.000      .015      .090      .240      .410      .700     1.580    20.000

DEPTH (FT) =    21.05
FORCE (K/IN)     0.000   198.000   587.000  1135.000  1469.000  1907.000  3051.000  3051.000
DEFL  (IN)       0.000      .006      .065      .240      .410      .700     1.580    20.000

DEPTH (FT) =    28.00
FORCE (K/IN)     0.000   405.000  1165.000  1902.000  2455.000  3181.000  5089.000  5089.000
DEFL  (IN)       0.000      .009      .066      .240      .410      .700     1.580    20.000

DEPTH (FT) =    35.00
FORCE (K/IN)     0.000   732.000  1794.000  2885.000  3711.000  4797.000  7675.000  7675.000
DEFL  (IN)       0.000      .015      .090      .240      .410      .700     1.580    20.000

DEPTH (FT) =    35.05
FORCE (K/IN)     0.000  1659.000  2978.000  4535.000  5752.000  7371.00011794.00011794.000
DEFL  (IN)       0.000      .031      .110      .250      .420      .700     1.580    20.000

DEPTH (FT) =    39.90
FORCE (K/IN)     0.000  2221.000  3726.000  5579.000  7042.000  8997.00014395.00014395.000
DEFL  (IN)       0.000      .037      .110      .260      .420      .700     1.580    20.000

DEPTH (FT) =    56.00
FORCE (K/IN)     0.000  4524.000  6794.000  9794.00012220.00015494.00024790.00024790.000
DEFL  (IN)       0.000      .053      .150      .270      .430      .700     1.580    20.000

DEPTH (FT) =    56.08
FORCE (K/IN)     0.000   774.000  1050.000  1425.000  1934.000  2625.000  2625.000
DEFL  (IN)       0.000      .075      .190      .470     1.180     2.940    20.000
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S-PILE AGIR STRUCTURE == U.S. NAVY (42-IN. DIAMETER PILING) == J.ATKINSON

```
DEPTH (FT) =    70.00
FORCE (F/IN)      0.000   774.000 1050.000 1425.000 1954.000 2025.000 2025.000
DEFL  (IN)        0.000      .075     .190     .470    1.160    2.940   20.000

DEPTH (FT) =    78.00
FORCE (F/IN)      0.000  6307.000 9473.00013656.00017039.00021003.00034565.00034566.000
DEFL  (IN)        0.000      .055     .130     .270     .450     .700    1.560   20.000

DEPTH (FT) =   140.00
FORCE (F/IN)      0.00011794.00017712.00025535.00031859.00040394.00064631.00064631.000
DEFL  (IN)        0.000      .055     .130     .270     .430     .700    1.580   20.000

DEPTH (FT) =   201.00
FORCE (F/IN)      0.00011794.00017712.00025535.00031859.00040394.00064631.00064631.000
DEFL  (IN)        0.000      .055     .130     .270     .430     .700    1.560   20.000
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

DEPTH (FT) =	0.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	5.00							
FORCE (K/IN)	0.000	0.000						
DEFL (IN)	0.000	20.000						
DEPTH (FT) =	8.00							
FORCE (K/IN)	0.000	88.000	123.000	150.000	168.000	188.000	237.000	237.000
DEFL (IN)	0.000	.019	.095	.250	.410	.700	1.580	20.000
DEPTH (FT) =	14.00							
FORCE (K/IN)	0.000	194.000	545.000	876.000	1122.000	1440.000	2274.000	2274.000
DEFL (IN)	0.000	.009	.085	.240	.410	.700	1.580	20.000
DEPTH (FT) =	21.00							
FORCE (K/IN)	0.000	433.000	1068.000	1718.000	2210.000	2857.000	4572.000	4572.000
DEFL (IN)	0.000	.013	.090	.240	.410	.700	1.580	20.000
DEPTH (FT) =	21.08							
FORCE (K/IN)	0.000	196.000	687.000	1135.000	1469.000	1907.000	3051.000	3051.000
DEFL (IN)	0.000	.006	.083	.240	.410	.700	1.580	20.000
DEPTH (FT) =	28.00							
FORCE (K/IN)	0.000	408.000	1165.000	1902.000	2455.000	3181.000	5089.000	5089.000
DEFL (IN)	0.000	.009	.085	.240	.410	.700	1.580	20.000
DEPTH (FT) =	35.00							
FORCE (K/IN)	0.000	732.000	1794.000	2885.000	3711.000	4797.000	7675.000	7675.000
DEFL (IN)	0.000	.013	.090	.240	.410	.700	1.580	20.000
DEPTH (FT) =	35.08							
FORCE (K/IN)	0.000	1669.000	2978.000	4535.000	5752.000	7371.000	11794.000	11794.000
DEFL (IN)	0.000	.031	.110	.250	.420	.700	1.580	20.000
DEPTH (FT) =	39.00							
FORCE (K/IN)	0.000	2221.000	3726.000	5579.000	7042.000	8997.000	14395.000	14395.000
DEFL (IN)	0.000	.037	.110	.260	.420	.700	1.580	20.000
DEPTH (FT) =	56.00							
FORCE (K/IN)	0.000	4524.000	6794.000	9794.000	12220.000	15494.000	24790.000	24790.000
DEFL (IN)	0.000	.053	.130	.270	.430	.700	1.580	20.000
DEPTH (FT) =	56.08							
FORCE (K/IN)	0.000	774.000	1050.000	1425.000	1934.000	2625.000	2625.000	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	

3-PILE ACHW STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

DEPTH (FT) =	74.00							
FORCE (K/IN)	0.000	774.000	1050.000	1425.000	1934.000	2675.000	2625.000	
DEFL (IN)	0.000	.075	.190	.470	1.180	2.940	20.000	
DEPTH (FT) =	75.00							
FORCE (K/IN)	0.000	6367.000	9473.000	13656.000	17039.000	21603.000	34566.000	34566.000
DEFL (IN)	0.000	.055	.130	.270	.430	.700	1.580	20.000
DEPTH (FT) =	146.00							
FORCE (K/IN)	0.000	11794.000	17712.000	25535.000	31859.000	40394.000	64631.000	64631.000
DEFL (IN)	0.000	.053	.130	.270	.430	.700	1.580	20.000
DEPTH (FT) =	200.00							
FORCE (K/IN)	0.000	11794.000	17712.000	25535.000	31859.000	40394.000	64631.000	64631.000
DEFL (IN)	0.000	.053	.130	.270	.430	.700	1.580	20.000

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

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CYCLE NO. 1 — DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	.9770	-.32140	-.00010		
1010	2	-259.8707	-.39359	.02475		
1010	3	950.2765	.15601	.15801		
1010	4	-25967.0721	.00396	-.00082		
1010	5	-97.7557	-.00321	-.00000		
1010	6	167.2230	.00017	.00017		
1011	1	-1.7696	.27027	.00018		
1011	2	-248.0827	-.45257	.02502		
1011	3	1020.3910	.17032	.17032		
1011	4	-24808.2696	.00450	-.00085		
1011	5	178.9575	.00270	.00001		
1011	6	950.8334	.00097	.00097		
1012	1	-.2485	-.00736	.00044		
1012	2	478.4561	.83801	-.04999		
1012	3	-2422.9780	-.40443	-.40443		
1012	4	47845.5070	-.00834	.00164		
1012	5	24.8525	-.00007	.00001		
1012	6	567.4721	.00059	.00059		

LOAD CONDITION NO. 7
CYCLE NO. 2

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

S-PILE ACTN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	-4.5549	-.03572	-.00263		
1010	2	-256.4226	-.00335	-.08448	.0062	.0729
1010	3	607.9415	.14407	.14407		
1010	4	5040.8029	.00127	.00129		
1010	5	-9506.7340	-.00009	-.00004	.0002	.1166
1010	6	59.4629	.00006	.00006		
1011	1	6.2815	.02996	.00226		
1011	2	-205.7845	-.09496	-.09564	.0039	.0409
1011	3	927.6500	.15484	.15484		
1011	4	7618.7787	.00148	.00150		
1011	5	7926.8725	.00058	.00004	.0001	.0632
1011	6	780.0077	.00061	.00081		
1012	1	-.3301	-.00046	-.00051		
1012	2	490.1306	.17249	.17617	.0037	.0215
1012	3	-2244.0909	-.37457	-.37457		
1012	4	-12636.9026	-.00268	-.00271		
1012	5	-103.7451	-.00001	-.00001	.0000	.0122
1012	6	401.2353	.00048	.00048		

STRAN - NONLINEAR SUPPORT ITERATIONS

LOAD CONDITION NO. 8 PAGE 3
CYCLE NO. 1 DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	7.3696	.03200	.00253		
1010	2	227.3027	.07658	.07801		
1010	3	-1140.6116	-.19038	-.19038		
1010	4	-5218.3341	-.00118	-.00120		
1010	5	6414.4287	.00062	.00004		
1010	6	341.3746	.00036	.00036		
1011	1	-6.9281	-.03110	-.00262		
1011	2	226.3439	.06404	.06546		
1011	3	-1169.8471	-.19526	-.19526		
1011	4	-7375.9197	-.00133	-.00135		
1011	5	-8196.2527	-.00060	-.00004		
1011	6	-375.1041	-.00039	-.00039		
1012	1	-.6649	-.00159	-.00176		
1012	2	-479.4611	-.16734	-.16609		
1012	3	1870.8603	.31228	.31228		
1012	4	12170.5098	.00259	.00257		
1012	5	-393.0946	-.00003	-.00003		
1012	6	-49.6636	-.00005	-.00005		

S T R A N - N O N L I N E A R S U P P O R T I T E R A T I O N S

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	7.3545	.03216	.00252		
1010	2	225.3734	.07670	.07766	.0055	.0703
1010	3	-1140.3657	-.19035	-.19035		
1010	4	-5106.5707	-.00118	-.00120		
1010	5	6401.9757	.00062	.00004	.0001	.1102
1010	6	341.3646	.00036	.00036		
1011	1	-6.9121	-.03126	-.00261		
1011	2	225.4106	.08421	.08509	.0047	.0552
1011	3	-1169.5334	-.19523	-.19523		
1011	4	-7339.5905	-.00133	-.00135		
1011	5	-6103.4169	-.00060	-.00004	.0001	.0829
1011	6	-375.1112	-.00039	-.00039		
1012	1	-.6662	-.00158	-.00176		
1012	2	-460.4492	-.16661	-.16708	.0003	.0016
1012	3	1070.9159	.51226	.51228		
1012	4	12500.7673	.00258	.00258		
1012	5	-394.2530	-.00003	-.00003	.0000	.0009
1012	6	-49.7236	-.00005	-.00005		

LOAD CONDITION NO. 9
CYCLE NO. 1

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-21.0411	-.00226	-.03083		
1010	2	-22.1514	-.00281	-.03246		
1010	3	-79.8822	-.01333	-.01333		
1010	4	-798.4814	.00002	.00060		
1010	5	-15764.2350	-.00119	-.00057		
1010	6	3204.0509	.00334	.00334		
1011	1	-6.5012	-.00436	-.00459		
1011	2	-426.8023	-.14764	-.14667		
1011	3	1527.9399	.25504	.25504		
1011	4	10803.8274	.00229	.00227		
1011	5	-746.5203	-.00008	-.00007		
1011	6	3776.0980	.00393	.00393		
1012	1	-3.2430	-.00103	-.00102		
1012	2	419.9225	.14454	.14540		
1012	3	-1907.1057	-.31853	-.31853		
1012	4	-10399.3195	-.00223	-.00225		
1012	5	-35.7170	-.00002	-.00002		
1012	6	3913.2250	.00407	.00407		

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILINGS) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	-21.0508	-.06210	-.02962		
1010	2	-22.9785	-.00297	-.03255	.0180	.4085
1010	3	-79.5702	-.01328	-.01328		
1010	4	-806.8722	.00003	.00060		
1010	5	-15793.6099	-.00115	-.00055	.0004	.4461
1010	6	5207.4325	.00334	.00334		
1011	1	-6.4980	-.00432	-.00459		
1011	2	-427.5519	-.14724	-.14723	.0000	.0000
1011	3	1527.9825	.25504	.25504		
1011	4	10777.2352	.00228	.00228		
1011	5	-745.7545	-.00008	-.00007	.0000	.0000
1011	6	3775.4540	.00393	.00393		
1012	1	-5.2501	-.00104	-.00103		
1012	2	419.0474	.14464	.14464	.0000	.0000
1012	3	-1907.0928	-.31852	-.31852		
1012	4	-10307.0720	-.00224	-.00224		
1012	5	-56.6032	-.00002	-.00002	.0000	.0000
1012	6	5912.5600	.00407	.00407		

S T R A N - N O N L I N E A R   S U P P O R T   I T E R A T I O N S

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PERCENT DIFFERENCE
1010	1	21.5802	.06265	.06266		
1010	2	-1.6132	-.00425	-.00424		
1010	3	-138.4597	-.02311	-.02311		
1010	4	1067.8485	.00008	.00008		
1010	5	15964.8193	.00120	.00120		
1010	6	-3142.6499	-.00327	-.00327		
1011	1	6.0177	.00412	.00442		
1011	2	409.5696	.14425	.14568		
1011	3	-1876.2142	-.31317	-.31317		
1011	4	-11217.8719	-.00225	-.00227		
1011	5	725.3426	.00007	.00007		
1011	6	-3663.0096	-.00363	-.00363		
1012	1	3.1725	.00022	.00010		
1012	2	-432.7752	-.14710	-.14561		
1012	3	1601.1626	.26726	.26726		
1012	4	9954.9496	.00226	.00224		
1012	5	-166.0394	-.00000	.00000		
1012	6	-3936.4304	-.00410	-.00410		

3-PILE ACRR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

NONLINEAR SUPPORT JOINT NO.	DEGREE OF FREEDOM	STRUCTURE ACTIONS AT NONLINEAR SUPPORTS (KIPS,IN-KIPS)	STRUCTURE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE DISPLACEMENTS AT SUPPORTS (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS DIFFERENCE (IN,RAD)	PILE-STRUCTURE RESULTANT DISPLACEMENTS PERCENT DIFFERENCE
1010	1	21.5602	.06266	.06266		
1010	2	-2.6741	-.00451	-.00446	.0000	.0000
1010	3	-135.0075	-.02304	-.02304		
1010	4	1049.8611	.00008	.00008		
1010	5	15964.3476	.00120	.00120	.0000	.0000
1010	6	-3142.7286	-.00327	-.00327		
1011	1	5.0202	.00417	.00442		
1011	2	408.2699	.14494	.14494	.0000	.0000
1011	3	-1876.0973	-.31315	-.31315		
1011	4	-11105.8775	-.00226	-.00226		
1011	5	726.0488	.00007	.00007	.0000	.0000
1011	6	-3503.1023	-.00363	-.00363		
1012	1	3.1683	.00020	.00009		
1012	2	-434.0950	-.14636	-.14636	.0000	.0000
1012	3	1601.2833	.26728	.26728		
1012	4	10074.5747	.00225	.00225		
1012	5	-108.5762	-.00000	.00000	.0000	.0000
1012	6	-3936.5725	-.00410	-.00410		

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 7
PILE JOINT NO. 1010

PAGE 1
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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0845	5351.40	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0542	11567.58	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0265	17787.82	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0100	24014.31	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0012	16564.08	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0008	5848.14	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0005	163.90	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0001	-709.61	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-281.80	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-26.03	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	15.94	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	6.18	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.45	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.31	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.10	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.00	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.85	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

LOAD CONDITION NO. 7
PILE JOINT NO. 1011

S T R A N - P I L E A N A L Y S I S

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0957	7663.99	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0605	14240.29	70.97	-.0000	.00	139.90	.0000	.00
4.05	.0317	20561.93	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0110	27131.36	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0013	16520.97	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0010	6440.26	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0006	157.42	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0001	-801.45	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-312.71	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-27.54	87.17	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	18.09	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	6.57	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.46	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.35	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.11	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

LOAD CONDITION NO. 7
PILE JOINT NO. 1012

S T R A N - P I L E   A N A L Y S I S

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1762	12837.15	68.94	.0000	.00	137.88	.0000	-.00
2.03	.1128	24904.82	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0595	36949.84	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0213	40961.27	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0028	34573.10	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0017	12503.95	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0011	550.96	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0002	-1450.14	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-594.53	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-57.39	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	32.33	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	13.91	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	1.04	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.83	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.21	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	-.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0777	5454.60	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0495	11001.51	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0260	16559.27	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0091	22069.40	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0011	15164.30	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0006	5414.70	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0005	149.45	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0001	-652.75	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-257.01	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-23.19	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	14.71	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	5.64	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.40	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.29	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.09	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.00	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.85	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	-.00
66.91	.0000	.00	135.85	-.0000	-.00			

STRAN - PILE ANALYSIS

LOAD CONDITION NO. 8
PILE JOINT NO. 1011

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0851	7566.97	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0559	15110.54	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0260	18527.91	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0097	24136.44	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0011	16567.76	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0009	5557.50	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0005	118.32	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0001	-713.65	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-275.44	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-23.83	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	16.10	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	5.07	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.41	93.27	-.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.32	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.10	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.00	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

S T R A N - P I L E   A N A L Y S I S

[illegible]
PILE JOINT NO. 1012

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1671	12504.26	68.94	.0000	.00	137.88	.0000	-.00
2.03	.1[illegible]57	25[illegible]59.68	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0560	35475.20	72.99	-.0000	.00	141.93	-.0000	.00
6.09	.0197	-7[illegible]99.61	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0024	32[illegible]14.65	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0016	11542.06	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0010	365.50	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0002	-1391.05	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-555.65	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-51.94	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0003	31.21	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	12.17	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.90	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.61	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.20	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.10	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	-.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0441	10073.63	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0263	10833.29	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0124	11592.60	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0040	12351.54	75.02	-.0000	-.00	143.96	-.0000	-.00
8.11	.0002	7827.56	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0005	2308.44	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0002	-121.09	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0000	-364.10	83.13	-.0000	.00	152.07	-.0000	.00
16.22	.0000	-121.21	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-5.52	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	8.54	89.21	.0000	-.00	158.15	.0000	.00
22.30	-.0000	2.70	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.06	93.27	-.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.17	95.30	-.0000	-.00	164.23	-.0000	-.00
28.39	.0000	-.04	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.00	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	-.00
36.50	-.0000	-.00	105.43	-.0000	-.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	-.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	.0000	-.00
48.66	-.0000	-.00	117.60	.0000	-.00	186.54	.0000	.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	-.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	.00	198.70	-.0000	.00
62.86	.0000	-.00	131.79	-.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	0.00
66.91	.0000	.00	135.85	-.0000	-.00			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 9
PILE JOINT NO. 1011

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1473	10795.24	68.94	.0000	.00	137.88	.0000	-.00
2.03	[illegible]	21115.94	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0492	31449.71	72.99	-.0000	.00	141.93	-.0000	.00
6.09	.0171	41402.95	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	[illegible]	26592.01	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	[illegible]	10444.96	79.08	.0000	-.00	148.01	.0000	-.00
12.17	[illegible]	251.09	81.10	.0000	.00	150.04	.0000	.00
14.19	[illegible]	-1234.65	83.13	.0000	.00	152.07	-.0000	.00
16.22	[illegible]	-465.91	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	[illegible]	-43.84	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	[illegible]	27.80	89.21	.0000	-.00	158.15	.0000	-.00
22.30	[illegible]	10.67	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.76	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.54	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.17	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	-.00
66.91	.0000	.00	135.85	-.0000	-.00			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 9 PAGE 9

PILE JOINT NO. 1012 DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1448	10307.21	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0924	20603.33	70.97	-.0000	.00	139.90	.0000	.00
4.05	.0464	30863.53	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0169	41139.87	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0029	28249.86	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0014	9886.91	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0009	272.55	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0002	-1217.26	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-475.50	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-42.98	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	27.45	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	10.51	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.74	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.54	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.17	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.85	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

STRAN-PILE ANALYSIS

LOAD CONDITION NO. 10
PILE JOINT NO. 1010

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.0830	15998.82	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0371	16533.91	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0178	17062.27	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0054	17592.87	75.02	-.0000	-.00	143.96	-.0000	-.00
8.11	.0002	10880.96	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0007	5130.59	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0003	-221.47	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0001	-518.36	83.13	-.0000	.00	152.07	-.0000	.00
16.22	.0000	-167.30	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-6.10	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	12.24	89.21	.0000	-.00	158.15	.0000	.00
22.31	-.0000	3.74	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.06	93.27	-.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.24	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.06	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	.00	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.00	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	-.00
36.50	-.0000	-.00	105.43	-.0000	-.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	-.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	.0000	-.00
48.66	-.0000	-.00	117.60	.0000	-.00	186.54	.0000	.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	-.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	.00	198.70	-.0000	.00
62.86	.0000	-.00	131.79	-.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	-.00
66.91	.0000	.00	135.85	-.0000	-.00			

S T R A N - P I L E   A N A L Y S I S

LOAD CONDITION NO. 10
PILE JOINT NO. 1011

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1450	11122.86	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0923	21155.19	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0482	31171.44	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0167	41164.00	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0019	28167.00	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0014	9815.80	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0009	249.03	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0002	-1217.83	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-476.17	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-42.14	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	27.50	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	10.46	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.73	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.54	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.17	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	-.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.85	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)	PILE LENGTH (FT)	DEFLECTION NORMAL TO PILE (INCHES)	BENDING MOMENT (IN-KIPS)
0.00	.1454	10874.47	68.94	.0000	.00	137.88	.0000	-.00
2.03	.0935	20551.95	70.97	-.0000	.00	139.90	.0000	.00
4.06	.0491	31542.76	72.99	-.0000	.00	141.93	-.0000	.00
6.08	.0171	31553.71	75.02	-.0000	-.00	143.96	-.0000	.00
8.11	.0021	28802.12	77.05	-.0000	-.00	145.99	-.0000	-.00
10.14	-.0114	10048.15	79.08	.0000	-.00	148.01	.0000	-.00
12.17	-.0039	295.29	81.10	.0000	.00	150.04	.0000	.00
14.19	-.0102	-1227.31	83.13	.0000	.00	152.07	-.0000	.00
16.22	.0000	-465.15	85.16	-.0000	.00	154.10	-.0000	-.00
18.25	.0000	-44.29	87.19	-.0000	-.00	156.12	.0000	-.00
20.28	.0000	27.61	89.21	.0000	-.00	158.15	.0000	-.00
22.30	-.0000	10.65	91.24	.0000	.00	160.18	.0000	.00
24.33	-.0000	.77	93.27	.0000	.00	162.21	-.0000	.00
26.36	-.0000	-.54	95.30	-.0000	.00	164.23	-.0000	-.00
28.39	.0000	-.17	97.32	-.0000	-.00	166.26	.0000	-.00
30.41	.0000	-.01	99.35	.0000	-.00	168.29	.0000	.00
32.44	.0000	.01	101.38	.0000	.00	170.32	.0000	.00
34.47	-.0000	.00	103.41	-.0000	.00	172.35	-.0000	.00
36.50	-.0000	-.00	105.43	-.0000	.00	174.37	-.0000	-.00
38.52	-.0000	-.00	107.46	-.0000	-.00	176.40	.0000	-.00
40.55	.0000	-.00	109.49	.0000	-.00	178.43	.0000	.00
42.58	.0000	.00	111.52	.0000	.00	180.46	-.0000	.00
44.61	.0000	.00	113.55	-.0000	.00	182.48	-.0000	-.00
46.63	-.0000	.00	115.57	-.0000	-.00	184.51	-.0000	-.00
48.66	-.0000	-.00	117.60	-.0000	-.00	186.54	.0000	-.00
50.69	.0000	-.00	119.63	.0000	-.00	188.57	.0000	.00
52.72	.0000	.00	121.66	.0000	.00	190.59	-.0000	.00
54.74	.0000	.00	123.68	-.0000	.00	192.62	-.0000	-.00
56.77	-.0000	.00	125.71	-.0000	-.00	194.65	.0000	-.00
58.80	-.0000	.00	127.74	.0000	-.00	196.68	.0000	.00
60.83	-.0000	-.00	129.77	.0000	-.00	198.70	.0000	.00
62.86	-.0000	-.00	131.79	.0000	.00	200.73	-.0000	.00
64.88	.0000	-.00	133.82	-.0000	.00	202.76	-.0000	.00
66.91	.0000	.00	135.85	-.0000	-.00			

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

PAGE 1
DATE 08/30/76

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	.11266	7.09722	-.03954	-.00031	-.00015	-.00320	
102	.11598	6.65853	-.10636	-.00049	.00012	.00183	
103	.11514	6.57658	-.00758	-.00035	.00023	.00413	
104	-.11046	6.96759	-.14819	-.00010	-.00023	.00229	
105	-.11204	6.70674	-.15608	-.00038	.00022	.00092	
106	-.33755	6.83518	-.14249	-.00042	-.00049	.00171	
201	.12108	7.04907	-.03811	-.00028	-.00001	-.00339	
202	.10898	6.77899	-.12251	-.00116	.00011	.00163	
203	.09669	6.52470	-.00609	-.00028	.00005	.00424	
204	-.09595	6.89278	-.19109	-.00004	-.00063	.00216	
205	-.09765	6.65423	-.31852	-.00099	-.00063	.00060	
206	-.26161	6.76551	-.14133	-.00003	-.00028	.00160	
301	.10219	6.76264	-.03411	-.00413	-.00003	-.00371	
303	.10596	6.26404	-.00607	-.00406	.00010	.00467	
305	-.21699	6.49905	-.13189	-.00440	-.00050	.00124	
401	.13033	4.22561	-.03063	-.00465	.00030	-.00028	
403	.03308	3.87637	-.00508	-.00421	-.00023	.00195	
405	.00384	3.93100	-.10405	-.00359	-.00003	.00060	
501	.11516	3.96651	-.00532	-.00406	.00018	-.00020	
502	.05474	3.79543	.01944	-.00258	.00010	.00094	
503	.05316	3.65090	.01844	-.00359	-.00014	.00183	
504	.00003	3.83920	-.13552	.00015	.00156	.00066	
505	-.01428	3.72659	-.10510	.00011	-.00126	.00003	
506	-.00220	3.74961	-.14866	-.00319	.00005	.00060	
507	.11169	4.00591	.05014	-.00405	.00018	-.00020	
508	.00118	3.62158	.06844	-.00358	-.00014	.00183	
509	-.01900	3.70710	-.24433	-.00319	.00005	.00059	
510	.10698	3.97415	-.02113	-.00452	.00056	-.00031	
511	.06064	3.63761	.00249	-.00402	-.00050	.00194	
512	.00013	3.74733	-.11573	-.00307	-.00003	.00058	
513	.12173	4.00157	.06623	-.00291	-.00056	.00058	
514	.07543	3.61369	.06519	-.00221	.00028	.00101	
601	.10764	3.74224	.03060	-.00269	-.00003	-.00001	
603	.06705	3.42420	.04617	-.00255	.00003	.00161	
606	-.01856	3.55046	-.21003	-.00252	.00020	.00058	
611	.13360	3.74360	.19712	-.00197	-.00016	-.00081	
612	.14307	4.95823	.00668	.00429	-.00003	.00079	
613	.15361	3.42557	.16636	-.00131	.00014	.00236	
631	.11157	3.56122	.06342	-.00226	-.00012	.00004	
632	.09859	3.70165	.03732	-.00252	.00014	.00021	
633	.07340	3.26658	.06970	-.00168	.00010	.00153	
634	.13592	3.59655	-.06074	-.00092	.00075	.00070	
635	-.12907	3.43103	-.17231	-.00126	-.00110	.00069	
636	-.04329	3.36903	-.26463	-.00213	.00029	.00056	
651	.11856	3.41052	.09420	-.00205	-.00012	.00003	
653	.07612	3.14066	.09102	-.00148	.00010	.00151	
655	-.07256	3.24660	-.31643	-.00198	.00033	.00053	
661	.12914	3.41220	.19748	-.00164	-.00020	-.00142	

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 7

3-PILE ACNR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
602	.14367	5.54466	.00662	.00320	-.00002	.00064	
603	.15853	3.14252	.16647	-.00140	.00017	.00294	
701	.12463	3.23976	.13001	-.00209	-.00009	-.00010	
702	.10255	3.11307	.07561	-.00145	-.00002	.00047	
703	[illegible]	2.99670	.11502	-.00155	.00010	.00162	
704	.00224	3.16473	-.17007	-.00109	.00025	.00018	
705	-.00797	3.14302	-.13670	-.00094	.00002	.00086	
706	-.10741	3.08623	-.37575	-.00199	.00032	.00048	
707	.12267	3.24711	.16377	-.00209	-.00009	-.00010	
708	.10476	2.90225	.14205	-.00157	.00009	.00159	
709	-.12075	3.09453	-.43570	-.00199	.00031	.00051	
710	-.17105	2.88257	.00179	-.00407	.00085	-.00046	
711	.30371	2.40600	.00878	-.00336	-.00062	.00191	
712	-.01150	3.04159	-.12844	-.00228	-.00007	.00047	
801	.15515	1.97049	.30734	-.00341	-.00015	-.00059	
802	.15604	1.80105	.26143	-.00264	.00008	.00023	
803	.10714	1.80558	.34254	-.00338	.00019	.00164	
804	.00363	1.94529	-.20149	-.00184	.00052	.00069	
805	-.00995	1.79330	-.23877	-.00184	-.00038	.00068	
806	-.25709	1.84871	-.76572	-.00356	.00008	.00064	
807	.14592	1.97259	.36235	-.00342	-.00014	-.00055	
808	.13214	1.77909	.39531	-.00358	.00019	.00163	
809	-.27825	1.80537	-.87299	-.00356	.00008	.00062	
810	-.30154	1.99405	.06267	-.00335	-.00023	-.00050	
811	.47805	1.06228	.05363	-.00292	.00060	.00152	
812	-.00757	1.75411	-.21613	-.00365	-.00011	.00057	
1001	.17801	.64551	.43133	-.00318	-.00002	-.00037	
1002	.11751	.50753	.45726	-.00498	.00007	.00051	
1003	.05598	.27708	.46695	-.00372	.00021	.00134	
1004	-.03549	.56911	-.24796	-.00332	.00081	.00066	
1005	-.04973	.40396	-.32274	-.00355	-.00107	.00033	
1006	-.20573	.36844	-1.02690	-.00360	-.00035	.00044	
1007	.17758	.64800	.60025	-.00317	-.00002	-.00038	
1008	.07306	.25887	.54897	-.00372	.00021	.00134	
1009	-.22058	.37566	-1.14259	-.00381	-.00035	.00043	
1010	-.03572	-.08336	.14467	.00127	-.00069	.00006	OBLIQUE
1010	-.07404	.08390	.12919	-.00123	-.00076	-.00005	GLOBAL
1011	.02998	-.09496	.15464	.00148	.00058	.00081	OBLIQUE
1011	.05625	.08546	.13712	-.00112	.00107	.00090	GLOBAL
1012	-.00046	.17249	-.37457	-.00268	-.00001	.00048	OBLIQUE
1012	-.00046	.25106	-.34116	-.00268	-.00009	.00047	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

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LOAD CONDITION NO. 8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	.04021	-6.56917	-.07770	.00020	-.00004	.00358	
102	.04199	-6.49577	-.16215	.00008	-.00012	-.00068	
103	.04359	-6.41432	-.11493	.00030	-.00010	-.00306	
104	.10747	-6.53303	-.12014	.00033	-.00014	-.00110	
105	.10891	-6.45604	-.11306	.00059	.00015	.00013	
106	.17368	-6.49700	.01967	.00053	.00044	-.00073	
201	.04042	-6.52621	-.07621	.00020	-.00013	.00374	
202	.05034	-6.43705	-.20348	-.00035	-.00017	-.00068	
203	.06042	-6.36305	-.11349	.00007	.00012	-.00317	
204	.09942	-6.46464	-.13358	.00077	-.00072	-.00100	
205	.10096	-6.40659	-.25255	.00011	-.00068	.00040	
206	.11401	-6.42857	.02152	.00029	.00012	-.00065	
301	.05536	-6.27462	-.07273	.00366	.00001	.00422	
303	.05224	-6.12209	-.10463	.00366	-.00007	-.00356	
306	.08838	-6.16270	.02166	.00409	.00039	-.00032	
401	-.02125	-3.92468	-.05842	.00432	-.00019	.00082	
403	.09815	-3.83762	-.08706	.00412	.00044	-.00139	
406	-.09892	-3.77393	.01560	.00354	-.00003	.00003	
501	-.00397	-3.70397	-.08276	.00377	-.00009	.00073	
502	.05027	-3.65686	-.15567	.00237	-.00017	-.00020	
503	.07054	-3.62165	-.10930	.00351	.00033	-.00118	
504	.00555	-3.61704	-.00264	-.00007	-.00157	.00003	
505	.02060	-3.63103	-.03217	.00000	.00136	.00070	
506	-.09636	-3.59473	.05958	.00316	-.00008	.00003	
507	.00254	-3.70362	-.13607	.00377	-.00009	.00074	
508	.05347	-3.60859	-.15213	.00351	.00033	-.00119	
509	-.09704	-3.61224	.15418	.00316	-.00008	.00003	
510	-.00234	-3.69072	-.06645	.00420	-.00042	.00084	
511	.06327	-3.60758	-.09166	.00397	.00068	-.00130	
512	-.09732	-3.59318	.02865	.00303	-.00004	.00004	
513	-.00693	-3.70223	-.17208	.00263	.00065	-.00012	
514	.06073	-3.60627	-.17035	.00214	-.00018	-.00031	
601	-.00599	-3.46860	-.11808	.00271	.00014	.00056	
603	.04876	-3.40452	-.13314	.00234	.00009	-.00098	
605	-.06649	-3.39742	.11997	.00249	-.00020	.00004	
611	.01534	-3.47047	-.30831	.00191	-.00009	.00156	
612	.00713	-4.89255	-.34325	-.00423	.00008	-.00011	
613	-.00104	-3.40619	-.28617	.00137	.00028	-.00194	
631	-.01379	-3.24514	-.14976	.00212	.00021	.00050	
632	.03890	-3.56269	-.16234	.00235	-.00017	.00037	
633	.03960	-3.25326	-.15402	.00169	-.00001	-.00091	
634	-.14446	-3.35429	-.07154	.00091	-.00070	-.00013	
635	.10522	-3.30808	.03892	.00130	.00118	-.00005	
636	-.06979	-3.23849	.17404	.00209	-.00028	.00005	
651	-.02336	-3.14521	-.17931	.00194	.00018	.00051	
653	.03407	-3.13258	-.17267	.00149	-.00001	-.00091	
655	-.04911	-3.09957	.22469	.00193	-.00051	.00008	
661	.00935	-3.14660	-.30915	.00230	-.00006	.00221	

LOAD CONDITION NO. 8

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
602	-.00563	-5.46017	-.44325	-.00294	.00008	-.00001	
603	-.02065	-5.13416	-.26507	.00201	.00022	-.00254	
701	-.02925	-2.97702	-.21310	.00195	.00012	.00063	
702	-.00102	-2.97306	-.25131	.00126	.00001	.00011	
703	.02544	-2.99618	-.19415	.00154	.00001	-.00102	
704	-.01624	-2.95954	-.00122	.00119	-.00039	.00039	
705	-.00599	-2.97050	-.02975	.00105	.00017	-.00024	
706	-.02501	-2.94221	.26331	.00198	-.00031	.00011	
707	-.01992	-2.97056	-.24556	.00195	.00012	.00063	
708	.01100	-2.97710	-.21711	.00154	.00001	-.00100	
709	-.02824	-2.95070	.34299	.00198	-.00051	.00008	
710	.23041	-2.47925	-.00165	.00370	-.00067	.00095	
711	-.26356	-2.45522	-.08715	.00343	.00093	-.00133	
712	-.07570	-2.90046	.05164	.00221	-.00011	.00009	
801	-.05964	-1.72727	-.37564	.00326	.00007	.00108	
802	-.01557	-1.79541	-.41435	.00258	-.00004	.00037	
803	.01194	-1.69058	-.39713	.00314	-.00012	-.00109	
804	-.05159	-1.77572	.10657	.00165	-.00060	-.00008	
805	-.01608	-1.79134	.08892	.00166	.00049	-.00004	
806	.07792	-1.75702	.60497	.00348	-.00003	-.00010	
807	-.02375	-1.71553	-.42543	.00326	.00006	.00104	
808	-.00452	-1.87725	-.44745	.00314	-.00012	-.00108	
809	.00005	-1.77408	.76949	.00348	-.00003	-.00009	
810	.32113	-1.01552	-.12697	.00301	.00034	.00095	
811	-.41566	-1.05039	-.11702	.00249	-.00043	-.00102	
812	-.05107	-1.60805	.14716	.00367	-.00009	-.00008	
1001	-.04901	-.42505	-.49159	.00315	.00009	.00080	
1002	.00502	-.48409	-.51460	.00494	-.00004	.00014	
1003	.05730	-.40503	-.52770	.00364	-.00020	-.00089	
1004	-.01037	-.46355	.16640	.00317	-.00072	-.00024	
1005	-.00348	-.48129	.24512	.00342	.00103	.00035	
1006	-.02290	-.34195	.91802	.00341	.00039	.00001	
1007	-.04119	-.41807	-.54106	.00315	.00009	.00080	
1008	.04655	-.45700	-.50812	.00364	-.00020	-.00090	
1009	-.02134	-.34904	1.02170	.00341	.00059	.00001	
1010	.05216	.07670	-.19035	-.00118	.00062	.00036	OBLIQUE
1010	.07661	-.08127	-.17515	.00107	.00075	.00045	GLOBAL
1011	-.05126	.06421	-.19523	-.00133	-.00060	-.00039	OBLIQUE
1011	-.08417	-.08459	-.17873	.00112	-.00069	-.00048	GLOBAL
1012	-.00158	-.16601	.51228	.00258	-.00003	-.00005	OBLIQUE
1012	-.00158	-.21503	.20065	.00258	-.00002	-.00006	GLOBAL

STRAN - JOINT DEFLECTIONS AND ROTATIONS

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	2.66326	6.70352	-.08716	-.00022	.00005	.00235	
102	2.66434	5.50534	-.12654	-.00059	.00027	.00702	
103	2.66520	4.42599	.00148	-.00027	.00040	.00791	
104	1.67950	6.13408	-.16853	-.00003	-.00003	.00716	
105	1.67851	4.99453	-.14068	-.00021	.00040	.00613	
106	.69129	5.56212	-.12287	-.00026	-.00012	.00713	
201	2.63411	6.66950	-.08572	-.00022	.00021	.00218	
202	2.62473	5.52098	-.14024	-.00105	.00026	.00704	
203	2.61510	4.38545	.00295	-.00025	.00023	.00797	
204	1.65225	6.08262	-.20648	.00008	-.00044	.00708	
205	1.65094	4.95711	-.30325	-.00081	-.00049	.00592	
206	.70625	5.51649	-.12159	.00003	-.00000	.00707	
301	2.57033	6.46671	-.08204	-.00291	.00024	.00164	
303	2.59559	4.16734	.00375	-.00340	.00020	.00821	
306	.69063	5.31664	-.11377	-.00333	.00001	.00689	
401	2.26508	4.49704	-.06565	-.00451	.00142	.00413	
403	2.30105	2.25611	.00742	-.00275	.00146	.00598	
406	.59073	3.32097	-.09075	-.00299	.00068	.00569	
501	2.23408	4.31477	-.05665	-.00306	.00115	.00425	
502	2.24536	3.19836	-.02260	-.00199	-.00020	.00651	
503	2.25219	2.07170	.04139	-.00237	.00139	.00592	
504	1.33725	3.72563	-.15010	-.00008	.00175	.00594	
505	1.32705	2.65255	-.07139	.00050	-.00039	.00577	
506	.50222	3.16468	-.12833	-.00207	.00070	.00569	
507	2.30308	4.44360	-.03176	-.00366	.00114	.00423	
508	2.34944	1.93031	.11260	-.00237	.00139	.00591	
509	.33504	3.16419	-.20828	-.00267	.00070	.00568	
510	2.21850	4.26998	-.05765	-.00453	.00173	.00403	
511	2.25179	2.07139	.01624	-.00252	.00127	.00591	
512	.50716	3.16746	-.10054	-.00258	.00053	.00564	
513	2.32440	4.46972	-.02378	-.00221	.00038	.00518	
514	2.35359	1.89910	.15303	-.00170	.00164	.00546	
601	2.19496	4.14508	-.04280	-.00241	.00072	.00444	
603	2.19814	1.47252	.06622	-.00161	.00118	.00579	
606	.30256	3.00124	-.16105	-.00216	.00075	.00566	
611	2.60005	4.14629	.07964	-.00139	.00038	.00492	
612	2.60997	4.19274	-.04971	.00404	.00052	.00583	
613	2.61941	1.87568	.10129	-.00110	.00064	.00709	
631	2.17664	4.04613	-.03152	-.00172	.00055	.00446	
632	2.19234	3.06603	.01451	-.00267	.00039	.00519	
633	2.15590	1.71363	.12627	-.00124	.00105	.00573	
634	1.47210	3.65037	-.07694	-.00070	.00093	.00574	
635	1.15501	2.34912	-.10336	-.00054	.00023	.00548	
636	.25019	2.86151	-.22891	-.00187	.00083	.00563	
651	2.16308	3.97999	-.02224	-.00147	.00058	.00441	
653	2.11956	1.57073	.16009	-.00118	.00100	.00571	
655	.12720	2.73632	-.27451	-.00175	.00093	.00560	
661	2.40725	3.90151	.06113	-.00161	.00081	.00396	

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	Y	Z	ROTATION IN RADIANS X	Y	Z	REMARKS
862	2.40910	4.74818	-.04976	.00310	.00087	.00567	
863	2.49125	1.57211	.20112	-.00059	.00120	.00781	
701	2.13995	3.91048	-.01292	-.00149	.00066	.00419	
702	2.11191	2.63069	.04025	-.00115	.00034	.00542	
703	2.07802	1.34746	.20965	-.00134	.00102	.00574	
704	1.04124	3.24891	-.20008	-.00097	.00062	.00553	
705	1.03225	1.99712	-.07877	-.00069	.00054	.00598	
706	-.03321	2.59535	-.32651	-.00174	.00101	.00556	
707	2.20834	4.02676	-.00771	-.00149	.00066	.00419	
708	2.10855	1.25472	.25642	-.00135	.00101	.00569	
709	-.19478	2.60210	-.37865	-.00174	.00101	.00555	
710	1.80809	2.97404	-.03565	-.00519	.00269	.00347	
711	2.04964	1.36162	.02655	-.00095	.00144	.00555	
712	.10378	2.55806	-.11334	-.00199	-.00016	.00534	
801	1.01165	3.14708	-.02073	-.00272	.00136	.00338	
802	1.75877	1.50535	.22425	-.00242	.00076	.00560	
803	1.70240	.10849	.54942	-.00307	.00163	.00519	
804	.41162	2.35991	-.36439	-.00176	.00150	.00608	
805	.40250	.78957	-.08070	-.00126	.00072	.00583	
806	-1.03103	1.53927	-.64520	-.00300	.00164	.00539	
807	1.80874	3.24858	-.01554	-.00272	.00136	.00338	
808	1.70754	-.01154	.63809	-.00307	.00163	.00517	
809	-1.10454	1.55335	-.73539	-.00300	.00165	.00534	
810	.85002	1.13269	-.01772	-.00437	.00241	.00306	
811	1.27203	.70191	.10501	-.00096	.00307	.00473	
812	.01553	1.46076	-.16855	-.00322	-.00065	.00490	
1001	1.32351	2.30001	-.01804	-.00257	.00160	.00301	
1002	1.31400	.43006	.40256	-.00434	.00139	.00617	
1003	1.21515	-1.51809	.77066	-.00347	.00152	.00446	
1004	-.30517	1.36579	-.41364	-.00331	.00280	.00622	
1005	-.31809	-.52506	-.10047	-.00253	.00108	.00574	
1006	-1.94349	.30810	-.86221	-.00315	.00147	.00448	
1007	1.37059	2.36901	-.02114	-.00256	.00160	.00294	
1008	1.28217	-1.62050	.86362	-.00348	.00151	.00441	
1009	-2.06987	.31558	-.95800	-.00315	.00148	.00443	
1010	-.00210	-.00297	-.01328	.00003	-.00118	.00334	OBLIQUE
1010	.03036	.05417	-.01359	-.00150	.00083	.00310	GLOBAL
1011	-.00432	-.14724	.25504	.00228	-.00006	.00393	OBLIQUE
1011	.10431	.08972	.22736	-.00051	.00234	.00386	GLOBAL
1012	-.00104	.14404	-.31632	-.00224	-.00002	.00407	OBLIQUE
1012	-.00104	.19515	-.24022	-.00224	-.00068	.00401	GLOBAL

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 10

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
101	-2.85455	-6.46784	-.01602	.00011	-.00030	-.00202	
102	-2.83243	-5.39133	-.13975	-.00003	-.00033	-.00666	
103	-2.82992	-4.30982	-.12871	.00027	-.00032	-.00658	
104	-1.90003	-5.93035	-.09269	.00024	-.00040	-.00658	
105	-1.89904	-4.85061	-.12920	.00040	-.00006	-.00573	
106	-.96451	-5.39251	.00231	.00040	.00001	-.00808	
201	-2.76498	-6.43916	-.01454	.00014	-.00043	-.00185	
202	-2.77803	-5.34625	-.16198	-.00043	-.00036	-.00695	
203	-2.77165	-4.26004	-.12725	.00016	-.00012	-.00660	
204	-1.85249	-5.88172	-.11124	.00062	-.00094	-.00651	
205	-1.85144	-4.80896	-.29369	-.00008	-.00102	-.00557	
206	-.95354	-5.34366	.00401	.00022	-.00019	-.00816	
301	-2.70247	-6.26058	-.01092	.00263	-.00044	-.00095	
303	-2.73500	-4.02916	-.11907	.00331	-.00030	-.00671	
306	-.90192	-5.15630	.00585	.00310	-.00030	-.00777	
401	-2.50266	-4.44024	-.01476	.00411	-.00149	-.00397	
403	-2.59301	-2.21929	-.10318	.00257	-.00149	-.00567	
406	-.70435	-3.29166	.00396	.00295	-.00062	-.00584	
501	-2.32765	-4.26653	-.02219	.00348	-.00122	-.00409	
502	-2.33706	-3.16513	-.10322	.00178	.00016	-.00651	
503	-2.34229	-2.04676	-.13674	.00220	-.00142	-.00563	
504	-1.43800	-3.68863	.02468	.00018	-.00186	-.00586	
505	-1.42920	-2.62417	-.06754	-.00046	.00036	-.00574	
506	-.60720	-3.14199	.04130	.00266	-.00083	-.00583	
507	-2.39421	-4.39066	-.04262	.00348	-.00121	-.00407	
508	-2.43516	-1.91196	-.20632	.00220	-.00141	-.00562	
509	-.43659	-3.15563	.12069	.00265	-.00083	-.00582	
510	-2.51167	-4.24123	-.02075	.00436	-.00179	-.00387	
511	-2.34141	-2.04585	-.10967	.00216	-.00131	-.00562	
512	-.61198	-3.14045	.01467	.00255	-.00066	-.00578	
513	-2.41467	-4.41600	-.04961	.00207	-.00044	-.00503	
514	-2.43758	-1.86526	-.25015	.00153	-.00108	-.00511	
601	-2.28364	-4.10527	-.03402	.00230	-.00075	-.00429	
603	-2.28412	-1.85943	-.18122	.00153	-.00122	-.00553	
606	-.47667	-2.97550	.09426	.00213	-.00066	-.00578	
611	-2.60022	-4.16607	-.18331	.00142	-.00070	-.00486	
612	-2.66850	-4.16341	-.35165	-.00383	-.00057	-.00579	
613	-2.59828	-1.86065	-.30636	.00115	-.00055	-.00699	
631	-2.20245	-4.01203	-.04321	.00162	-.00058	-.00432	
632	-2.24661	-3.04508	-.14017	.00268	-.00045	-.00514	
633	-2.23733	-1.70698	-.22093	.00121	-.00109	-.00549	
634	-1.58605	-3.60462	-.04176	.00073	-.00098	-.00574	
635	-1.20844	-2.55926	-.03738	.00049	-.00038	-.00546	
636	-.34297	-2.63844	.14237	.00163	-.00094	-.00574	
651	-2.24564	-3.95093	-.05036	.00138	-.00062	-.00427	
653	-2.19579	-1.56671	-.25801	.00120	-.00104	-.00549	
655	-.20345	-2.71564	.16814	.00172	-.00103	-.00570	
661	-2.53907	-3.95231	-.16247	.00211	-.00116	-.00384	

S T R A N - J O I N T D E F L E C T I O N S A N D R O T A T I O N S

LOAD CONDITION NO. 10 PAGE 8
DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	DEFLECTION IN INCHES X	DEFLECTION IN INCHES Y	DEFLECTION IN INCHES Z	ROTATION IN RADIANS X	ROTATION IN RADIANS Y	ROTATION IN RADIANS Z	REMARKS
602	-2.55201	-4.68106	-.35166	-.00276	-.00091	-.00566	
603	-2.50520	-1.56799	-.32595	.00112	-.00101	-.00771	
701	-2.21722	-3.86708	-.05609	.00139	-.00073	-.00407	
702	-2.18748	-2.61376	-.19697	.00094	-.00039	-.00544	
703	-2.15242	-1.39402	-.30346	.00134	-.00102	-.00554	
704	-1.11839	-3.23006	.04603	.00108	-.00062	-.00553	
705	-1.10998	-1.96117	-.09258	.00075	-.00046	-.00599	
706	-.03303	-2.57500	.24117	.00177	-.00112	-.00566	
707	-2.28211	-4.00029	-.05865	.00139	-.00073	-.00406	
708	-2.23911	-1.25734	-.35044	.00135	-.00102	-.00549	
709	.13100	-2.58260	.29431	.00177	-.00113	-.00565	
710	-1.88342	-2.95162	-.03346	.00513	-.00273	-.00334	
711	-2.11375	-1.39105	-.10963	.00093	-.00152	-.00533	
712	-.24544	-2.53798	.03536	.00198	.00005	-.00544	
801	-1.84867	-3.12008	-.03131	.00269	-.00153	-.00328	
802	-1.79306	-1.56990	-.36495	.00227	-.00081	-.00560	
803	-1.73506	-.11040	-.63808	.00301	-.00166	-.00504	
804	-.45593	-2.34110	.22825	.00163	-.00169	-.00608	
805	-.04358	-.77751	-.06736	.00132	-.00065	-.00561	
806	.99206	-1.51924	.50710	.00307	-.00166	-.00544	
807	-1.90526	-3.22471	-.03105	.00269	-.00153	-.00328	
808	-1.81796	.00619	-.72662	.00301	-.00166	-.00502	
809	1.14674	-1.53390	.65930	.00307	-.00169	-.00539	
810	-.69295	-1.12218	-.03723	.00434	-.00250	-.00296	
811	-1.29613	-.71371	-.17812	.00100	-.00313	-.00459	
812	-.03555	-1.44343	.12355	.00320	.00059	-.00496	
1001	-1.31933	-2.28929	-.02312	.00255	-.00163	-.00294	
1002	-1.31598	-.42641	-.47312	.00437	-.00145	-.00613	
1003	-1.22141	1.50563	-.85821	.00361	-.00167	-.00437	
1004	.29520	-1.35560	.35123	.00328	-.00283	-.00622	
1005	.30600	.52438	.02148	.00249	-.00117	-.00570	
1006	1.92609	-.29751	.75646	.00294	-.00147	-.00450	
1007	-1.37104	-2.37746	-.01890	.00254	-.00163	-.00288	
1008	-1.28815	1.60468	-.95730	.00362	-.00167	-.00432	
1009	2.05576	-.30372	.87617	.00295	-.00148	-.00445	
1010	.00206	-.00451	-.02304	.00008	.00120	-.00327	OBLIQUE
1010	-.03196	-.05413	-.02346	.00145	-.00093	-.00303	GLOBAL
1011	.00417	.14494	-.31315	-.00226	.00007	-.00383	OBLIQUE
1011	-.17056	-.09349	-.28506	.00052	-.00231	-.00377	GLOBAL
1012	.00020	-.14636	.26728	.00225	-.00000	-.00410	OBLIQUE
1012	.00020	-.18827	.23961	.00225	.00067	-.00404	GLOBAL

S T R A N - R E A C T I O N F O R C E S A N D M O M E N T S

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	6.5849	256.4226	-667.9413	-5040.6029	9366.7840	-59.4829	OBLIQUE
1010	330.4872	-205.0043	-613.9705	10530.5401	-251.3773	1481.3538	GLOBAL
1011	-6.2815	265.7645	-927.6308	-7610.7787	-7928.6723	-780.0077	OBLIQUE
1011	-356.1407	-212.5206	-671.3085	10469.4709	-2759.3561	-2073.0078	GLOBAL
1012	.3301	-490.1346	2244.0909	12836.9026	103.7451	-461.2353	OBLIQUE
1012	.3301	-851.9851	2133.1426	12836.9026	176.0766	-437.9361	GLOBAL
TOTAL	-17.3234	-1269.5101	447.8635	33836.9136	-2832.6568	-1029.5922	

S T R A N - R E A C T I O N F O R C E S A N D M O M E N T S

LOAD CONDITION NO. 8

5-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	FORCE IN KIPS F-Y	FORCE IN KIPS F-Z	MOMENT IN IN-KIPS M-X	MOMENT IN IN-KIPS M-Y	MOMENT IN IN-KIPS M-Z	REMARKS
1010	-7.3545	-226.3734	1190.3857	5186.5707	-8401.9757	-341.3648	OBLIQUE
1010	-352.2302	211.5053	1087.6479	-9722.7051	-384.7940	-1718.1189	GLOBAL
1011	6.9121	-225.4106	1169.6554	7359.5905	8185.4169	375.1112	OBLIQUE
1011	355.7947	213.0491	1116.6555	-10605.2639	2358.8458	1715.4720	GLOBAL
1012	.0662	480.4492	-1670.9156	-12300.7873	394.2530	49.7238	OBLIQUE
1012	.0662	781.1518	-1766.6235	-12300.7873	380.7360	113.7894	GLOBAL
TOTAL	4.2306	1205.7062	437.6802	-32628.7563	2354.7878	111.1425	

STRAN - REACTION FORCES AND MOMENTS

DATE 08/30/76

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT NUMBER	FORCE IN KIPS F-X	F-Y	F-Z	MOMENT IN IN-KIPS M-X	M-Y	M-Z	REMARKS
1010	21.0508	22.9765	79.5702	606.0722	15793.6099	-3207.4325	OBLIQUE
1010	-2.2091	-23.0239	82.2654	13551.1949	-8741.8701	-567.0989	GLOBAL
1011	6.4968	427.5318	-1527.9425	-10777.2362	745.7545	-3775.4540	OBLIQUE
1011	-586.2701	-330.4103	-1436.6969	4206.6624	-10014.6130	-3601.4634	GLOBAL
1012	3.2501	-419.0474	1907.0928	10307.0720	56.6032	-3912.5600	OBLIQUE
1012	3.2501	-726.5241	1612.3924	10307.0720	698.3194	-3650.1532	GLOBAL
TOTAL	-585.2291	-1079.9563	457.7609	28064.9294	-18058.1637	-8018.7156	

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

JOINT	FORCE IN KIPS			MOMENT IN IN-KIPS			REMARKS
NUMBER	F-X	F-Y	F-Z	M-X	M-Y	M-Z	
1010	-21.5802	2.6741	138.0075	-1049.6811	-15964.3476	3142.7286	OBLIQUE
1010	-6.4261	26.6120	136.6019	-13566.5403	9031.1968	475.2039	GLOBAL
1011	-6.0292	-406.2699	1070.0973	11105.6775	-726.0488	3093.1023	OBLIQUE
1011	619.1577	349.9162	1763.4413	-4400.7704	10282.0562	3513.6084	GLOBAL
1012	-3.1663	434.0950	-1601.2833	-10074.5747	166.5762	3936.5725	OBLIQUE
1012	-3.1663	691.1503	-1508.2633	-10074.5747	-480.1399	3910.6166	GLOBAL
TOTAL	609.5633	1069.6805	411.7800	-28041.8854	18833.1151	7899.6289	

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-3.54	366.48	121.03	1.00	-6.92	.01	-.22	4.11	11.29	.12	1.07	.531
		3.6	-3.54	102.76	77.39	1.00	-5.20	.01	-.22	1.15	7.22	.12	.81	.296
		7.3	-3.54	-66.06	33.75	1.00	-3.48	.01	-.22	-.97	3.15	.12	.54	.149
		10.9	-3.54	-199.98	-9.89	1.00	-1.76	.01	-.22	-2.24	-.92	.12	.27	.112
		14.5	-3.54	-239.00	-55.53	1.00	-.04	.01	-.22	-2.66	-4.99	.12	.01	.267
101- 104	W18- 1	0.0	-1.74	360.38	114.90	.90	-6.65	-.01	-.11	4.04	10.72	.11	1.03	.505
		3.6	-1.74	108.58	75.85	.90	-4.93	-.01	-.11	1.22	7.08	.11	.77	.289
		7.2	-1.74	-66.38	36.79	.90	-3.21	-.01	-.11	-.77	3.43	.11	.50	.148
		10.9	-1.74	-170.51	-2.26	.90	-1.49	-.01	-.11	-1.91	-.21	.11	.23	.072
		14.5	-1.74	-197.80	-41.32	.90	.23	-.01	-.11	-2.22	-3.85	.11	.04	.208
101- 201	DRL- 1	0.0	-18.58	-312.06	546.77	3.64	2.96	235.93	-.20	-.98		.29	.29	.042
		3.8	-19.74	-179.05	383.19	3.64	2.96	235.93	-.22	-.66		.29	.29	.031
		7.5	-20.90	-46.04	219.60	3.64	2.96	235.93	-.23	-.35		.29	.29	.020
		11.3	-22.06	86.97	56.02	3.64	2.96	235.93	-.24	-.16		.29	.29	.014
		15.0	-23.23	219.98	-107.56	3.64	2.96	235.93	-.25	-.38		.29	.29	.023
102- 103	W18- 1	0.0	-3.15	-240.70	-44.02	-.08	.30	-.01	-.19	-2.70	-4.11	.08	.05	.236
		3.6	-3.15	-190.27	-14.31	-.08	2.02	-.01	-.19	-2.14	-1.33	.08	.31	.122
		7.3	-3.15	-64.93	15.40	-.08	3.74	-.01	-.19	-.73	1.44	.08	.58	.081
		10.9	-3.15	135.30	45.11	-.08	5.46	-.01	-.19	1.52	4.21	.08	.85	.202
		14.5	-3.15	416.44	74.82	-.08	7.19	-.01	-.19	4.61	6.98	.08	1.12	.396
102- 104	W08- 1	0.0	-.62	-1.69	-9.04	-.12	-.18	-.00	-.09	-.08	-1.61	.02	.09	.064
		3.6	-.62	-7.47	-3.85	-.12	-.09	-.00	-.09	-.36	-.68	.02	.05	.041
		7.2	-.62	-9.47	1.37	-.12	-.00	-.00	-.09	-.46	.24	.02	.00	.028
		10.9	-.62	-7.68	6.57	-.12	.08	-.00	-.09	-.37	1.17	.02	.04	.058
		14.5	-.62	-2.12	11.78	-.12	.17	-.00	-.09	-.10	2.10	.02	.09	.082
102- 105	W08- 1	0.0	-1.25	1.72	-.47	.03	-.16	.00	-.18	.08	-.08	.01	.08	.017
		3.6	-1.25	-3.26	-1.62	.03	-.07	.00	-.18	-.16	-.29	.01	.04	.026
		7.2	-1.25	-4.47	-2.77	.03	.02	.00	-.18	-.21	-.49	.01	.01	.035
		10.9	-1.25	-1.69	-3.92	.03	.10	.00	-.18	-.09	-.70	.01	.05	.038
		14.5	-1.25	4.47	-5.07	.03	.19	.00	-.18	.21	-.90	.01	.10	.049
103- 105	W18- 1	0.0	-2.51	441.96	-62.62	-.47	-7.34	-.00	-.15	4.96	-5.84	.06	1.14	.366
		3.6	-2.51	160.19	-42.07	-.47	-5.62	-.00	-.15	1.60	-3.92	.06	.87	.200
		7.2	-2.51	-46.75	-21.52	-.47	-3.90	-.00	-.15	-.52	-2.01	.06	.61	.093
		10.9	-2.51	-178.85	-.97	-.47	-2.16	-.00	-.15	-2.01	-.09	.06	.34	.073
		14.5	-2.51	-236.11	19.57	-.47	-.46	-.00	-.15	-2.55	1.83	.06	.07	.154
103- 203	DRL- 1	0.0	-19.53	-382.71	-631.52	-3.99	3.09	-137.44	-.21	-1.16		.22	.22	.048
		3.8	-20.69	-243.51	-451.77	-3.99	3.09	-137.44	-.23	-.80		.22	.22	.036
		7.5	-21.85	-104.51	-272.02	-3.99	3.09	-137.44	-.24	-.46		.22	.22	.025
		11.3	-23.01	34.69	-92.28	-3.99	3.09	-137.44	-.25	-.15		.22	.22	.014
		15.0	-24.16	174.09	87.47	-3.99	3.09	-137.44	-.27	-.30		.22	.22	.020

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /----	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS ----/	COMB. UNITY CHECK
104- 105	R06- 1	0.0	1.80	2.05	-6.04	-.02	-.21	.01	.26	.10	-1.08	.00	.11	.050
		3.6	1.80	-5.26	-5.09	-.02	-.12	.01	.26	-.25	-.91	.01	.07	.049
		7.3	1.80	-8.60	-4.14	-.02	-.04	.01	.26	-.42	-.74	.01	.02	.048
		10.9	1.80	-8.55	-3.10	-.02	.05	.01	.26	-.41	-.57	.01	.03	.042
		14.5	1.80	-4.51	-2.23	-.02	.14	.01	.26	-.22	-.40	.01	.07	.030
104- 106	R16- 1	0.0	-3.09	-199.89	-23.50	-.25	.62	-.01	-.19	-2.24	-2.19	.03	.10	.155
		3.6	-3.09	-155.84	-13.67	-.25	2.34	-.01	-.19	-1.52	-1.27	.03	.36	.100
		7.3	-3.09	3.54	-3.83	-.25	4.06	-.01	-.19	.04	-.36	.03	.63	.022
		10.9	-3.09	217.04	6.00	-.25	5.76	-.01	-.19	2.44	.56	.03	.90	.105
		14.5	-3.09	512.01	15.83	-.25	12.50	-.01	-.19	5.75	1.48	.03	1.94	.241
105- 106	R16- 1	0.0	-4.07	-231.61	12.26	.08	-.13	-.05	-.25	-2.60	1.15	.01	.02	.133
		3.6	-4.07	-199.04	8.79	.08	1.59	-.05	-.25	-2.24	.82	.01	.25	.110
		7.3	-4.07	-93.14	5.31	.08	3.31	-.05	-.25	-1.05	.49	.01	.52	.061
		10.9	-4.07	88.48	1.82	.08	5.04	-.05	-.25	.99	.17	.01	.78	.048
		14.5	-4.07	345.03	-1.67	.08	6.76	-.05	-.25	3.87	-.16	.01	1.05	.138
106- 206	DRL- 1	0.0	-14.89	686.95	-18.45	-5.78	-16.52	141.45	-.16	-1.39		.48	.48	.054
		3.8	-15.95	145.35	151.80	-5.78	-16.52	141.45	-.17	-.33		.48	.48	.018
		7.5	-17.01	-590.24	322.05	-5.78	-16.52	141.45	-.19	-1.06		.48	.48	.044
		11.3	-18.18	-1341.85	492.25	-5.78	-16.52	141.45	-.20	-2.24		.48	.48	.085
		15.0	-17.34	-2085.45	662.40	-5.78	-16.52	141.45	-.21	-3.42		.48	.48	.127
201- 202	R15- 1	0.0	32.68	557.04	129.71	1.09	-9.92	.07	2.02	6.26	12.10	.13	1.54	.688
		3.6	32.68	180.49	82.57	1.09	-7.45	.07	2.02	2.03	7.68	.13	1.16	.401
		7.3	32.68	-86.04	35.02	1.09	-4.95	.07	2.02	-1.00	3.27	.13	.77	.215
		10.9	32.68	-250.15	-12.32	1.09	-2.47	.07	2.02	-2.81	-1.15	.13	.39	.199
		14.5	32.68	-303.45	-59.67	1.09	.02	.07	2.02	-3.41	-5.57	.13	.01	.371
201- 204	R16- 1	0.0	-72.30	621.71	123.54	.99	-10.30	-.05	-4.46	6.98	11.52	.12	1.60	.776
		3.6	-72.30	227.93	80.39	.99	-7.82	-.05	-4.46	2.56	7.50	.12	1.21	.498
		7.2	-72.30	-57.93	37.24	.99	-5.33	-.05	-4.46	-.65	3.47	.12	.83	.316
		10.9	-72.30	-235.67	-5.91	.99	-2.85	-.05	-4.46	-2.65	-.55	.12	.44	.280
		14.5	-72.30	-305.88	-49.06	.99	-.37	-.05	-4.46	-3.43	-4.58	.12	.06	.430
201- 301	DRL- 1	0.0	-56.59	-2.42	1121.97	12.73	68.61	394.05	-.62	-1.76		1.84	1.84	.083
		3.8	-57.75	3093.93	549.19	12.73	68.81	394.05	-.63	-4.92		1.84	1.84	.194
		7.5	-58.91	6113.60	-23.59	12.73	64.45	394.05	-.65	-9.56		1.75	1.75	.356
		11.3	-60.07	8667.79	-596.37	12.73	57.73	394.05	-.66	-13.90		1.61	1.61	.507
		15.0	-61.20	11292.25	-1169.15	12.73	49.87	394.05	-.66	-17.76		1.44	1.44	.641
201- 303	120- 1	0.0	-1.40	191.25	-502.66	-8.02	-2.36	-7.44	-.07	-10.81		1.01	1.01	.379
		8.2	-1.64	-10.54	280.42	-8.02	-1.69	-7.44	-.09	-4.96		1.00	1.00	.177
		16.3	-1.87	-131.03	858.42	-1.31	-.19	-7.44	-.10	-15.31		.20	.20	.537
		24.5	-2.11	-40.33	440.59	10.27	2.09	-7.44	-.11	-7.80		1.15	1.15	.277
		32.6	-2.19	269.03	-1216.28	23.02	4.20	-7.44	-.11	-21.97		2.58	2.58	.769

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203	W16- 1	0.0	33.18	-316.91	-48.16	-.74	.43	-.07	2.05	-3.56	-4.49	.09	.07	.340
		3.6	33.18	-244.35	-16.01	-.74	2.91	-.07	2.05	-2.74	-1.49	.09	.45	.210
		7.3	33.18	-65.77	16.15	-.74	5.39	-.07	2.05	-.72	1.51	.09	.84	.146
		10.9	33.18	224.82	48.32	-.74	7.88	-.07	2.05	2.52	4.51	.09	1.22	.307
		14.5	33.18	621.45	80.48	-.74	10.36	-.07	2.05	6.97	7.51	.09	1.61	.552
202- 204	W06- 1	0.0	-.60	-15.35	-10.63	-.13	-.17	-.00	-.08	-.64	-1.90	.03	.09	.092
		3.6	-.60	-19.05	-4.82	-.13	-.09	-.00	-.08	-.92	-.86	.03	.05	.064
		7.2	-.60	-20.96	1.00	-.13	-.00	-.00	-.08	-1.01	.18	.03	.00	.043
		10.9	-.60	-19.08	6.81	-.13	.09	-.00	-.08	-.92	1.22	.03	.05	.077
		14.5	-.60	-13.45	12.63	-.13	.17	-.00	-.08	-.65	2.25	.03	.09	.104
202- 205	W06- 1	0.0	-1.42	15.55	-.46	.03	-.24	-.02	-.20	.65	-.15	.01	.12	.039
		3.6	-1.42	5.17	-2.30	.03	-.15	-.02	-.20	.25	-.41	.01	.08	.035
		7.2	-1.42	.58	-3.73	.03	-.06	-.02	-.20	.03	-.67	.01	.04	.037
		10.9	-1.42	-.22	-5.17	.03	.03	-.02	-.20	-.01	-.92	.01	.02	.045
		14.5	-1.42	2.76	-6.60	.03	.11	-.02	-.20	.13	-1.18	.01	.07	.058
203- 205	W16- 1	0.0	40.36	1496.22	-67.99	-.50	-24.81	-.08	2.49	16.81	-6.34	.06	3.85	.838
		3.6	40.36	549.76	-46.19	-.50	-18.81	-.08	2.49	6.17	-4.31	.06	2.92	.451
		7.2	40.36	-137.96	-24.40	-.50	-12.82	-.08	2.49	-1.55	-2.28	.06	1.99	.215
		10.9	40.36	-564.93	-2.61	-.50	-6.82	-.08	2.49	-6.34	-.24	.06	1.06	.295
		14.5	40.36	-731.17	19.19	-.50	-.82	-.08	2.49	-8.21	1.79	.06	.13	.408
203- 303	DKL- 1	0.0	1.92	-1127.75	-1114.38	-13.17	80.09	-532.33	.02	2.48		2.20	2.20	.087
		5.8	.76	2470.12	-521.52	-13.17	80.09	-532.33	.01	3.96		2.20	2.20	.138
		7.5	-.40	6003.50	71.33	-13.17	75.71	-532.33	-.00	-9.39		2.10	2.10	.326
		11.3	-1.57	9265.02	664.19	-13.17	69.01	-532.33	-.02	-14.53		1.96	1.96	.505
		15.0	-1.69	12197.00	1257.05	-13.17	61.15	-532.33	-.02	-19.18		1.79	1.79	.667
203- 306	12D- 1	0.0	-143.76	-80.66	-287.11	-.94	.24	-10.69	-7.47	-5.26		.27	.27	.618
		8.2	-144.01	-34.22	-194.81	-.94	.71	-10.69	-7.48	-3.49		.29	.29	.545
		16.3	-144.25	50.37	-102.50	-.94	1.18	-10.69	-7.50	-2.08		.32	.32	.483
		24.5	-144.50	197.10	-10.20	-.94	1.65	-10.69	-7.51	-3.48		.36	.36	.526
		32.6	-144.55	366.57	82.10	-.94	1.77	-10.69	-7.51	-6.62		.37	.37	.644
204- 205	W06- 1	0.0	2.01	13.42	-4.94	-.00	-.27	.02	.28	.64	-.88	.00	.14	.062
		3.6	2.01	3.58	-4.84	-.00	-.18	.02	.28	.17	-.86	.00	.10	.046
		7.3	2.01	-2.48	-4.73	-.00	-.10	.02	.28	-.12	-.84	.01	.06	.043
		10.9	2.01	-4.75	-4.62	-.00	-.01	.02	.28	-.23	-.82	.01	.02	.046
		14.5	2.01	-3.24	-4.51	-.00	.08	.02	.28	-.16	-.81	.01	.05	.043
204- 206	W18- 1	0.0	-73.73	-319.32	-31.49	-.32	.07	.02	-4.55	-3.58	-2.94	.04	.01	.386
		3.6	-73.73	-262.09	-17.63	-.32	2.56	.02	-4.55	-2.94	-1.64	.04	.40	.327
		7.3	-73.73	-96.81	-3.77	-.32	5.04	.02	-4.55	-1.09	-.35	.04	.78	.233
		10.9	-73.73	176.52	10.09	-.32	7.52	.02	-4.55	1.98	.94	.04	1.17	.277
		14.5	-73.73	564.03	23.95	-.32	15.01	.02	-4.55	6.53	2.23	.04	2.33	.442

S T R A D M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	BENDING STRESS Z -------KSI-------	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
205- 206	W16- 1	0.0	38.65	-726.17	8.06	.02	-.63	.07	2.38	-8.17	.75	.00	.10	.367
		3.6	38.65	-625.26	7.37	.02	5.37	.07	2.38	-7.02	.69	.00	.83	.328
		7.3	38.65	-261.29	6.67	.02	11.37	.07	2.38	-2.93	.62	.00	1.77	.197
		10.9	38.65	363.73	5.96	.02	17.37	.07	2.38	4.08	.56	.00	2.70	.231
		14.5	38.65	1249.09	5.26	.02	23.37	.07	2.38	14.03	.49	.00	3.63	.543
206- 301	120- 1	0.0	103.51	402.47	373.72	3.33	-3.87	9.11	8.50	9.68		.61	.61	.631
		8.2	103.26	46.04	47.27	3.33	-3.40	9.11	8.48	1.17		.57	.57	.335
		16.3	103.02	-262.97	-279.16	3.33	-2.93	9.11	8.47	6.76		.54	.54	.529
		24.5	102.76	-412.03	-503.06	-1.09	2.50	9.11	8.46	11.47		.36	.36	.692
		32.6	102.74	425.52	101.21	-11.43	14.92	9.11	8.46	7.71		2.03	2.03	.562
206- 306	DRL- 1	0.0	-136.27	-76.09	959.83	14.41	75.80	439.99	-1.50	-1.51		2.04	2.04	.106
		3.9	-137.44	3334.06	311.49	14.41	75.80	439.99	-1.51	-5.24		2.04	2.04	.237
		7.5	-138.60	6745.01	-336.85	14.41	75.80	439.99	-1.52	-10.57		2.04	2.04	.422
		11.3	-139.76	10156.75	-985.19	14.41	75.80	439.99	-1.53	-15.96		2.04	2.04	.610
		15.0	-139.89	13567.70	-1633.53	14.41	75.80	439.99	-1.54	-21.36		2.04	2.04	.798
301- 303	125- 1	0.0	-6.07	155.02	-803.00	-20.18	-2.84	-1.64	-.32	-14.42		2.13	2.13	.515
		7.3	-6.07	-28.66	492.26	-9.60	-1.40	-1.64	-.32	-8.69		1.02	1.02	.316
		14.5	-6.07	-67.47	866.53	.99	.05	-1.64	-.32	-15.36		.12	.12	.547
		21.7	-6.07	-20.73	320.10	11.57	1.49	-1.64	-.32	-5.66		1.23	1.23	.210
		29.0	-6.07	171.52	-1147.32	22.16	2.93	-1.64	-.32	-20.46		2.34	2.34	.724
301- 306	125- 1	0.0	-110.36	-555.26	72.67	-6.92	1.98	-6.62	-5.74	-5.97		.81	.81	.584
		7.2	-110.36	-325.65	447.55	-1.74	3.24	-6.62	-5.74	-9.76		.44	.44	.580
		14.5	-110.36	-5.66	367.44	2.98	3.99	-6.62	-5.74	-6.83		.58	.58	.482
		21.7	-110.37	342.67	-44.10	6.69	3.87	-6.62	-5.74	-6.09		.86	.86	.457
		29.0	-110.37	672.97	-660.51	7.12	3.62	-6.62	-5.74	-16.63		.90	.90	.810
301- 401	DRL- 1	0.0	-25.38	13253.25	-808.10	-6.29	-52.13	-2229.76	-.28	-20.77		2.90	2.90	.732
		7.1	-25.35	8076.14	-270.31	-6.29	-69.45	-2229.76	-.28	-12.64		3.27	3.27	.450
		14.2	-25.32	1371.74	267.40	-6.29	-87.20	-2229.76	-.28	-2.19		3.66	3.66	.087
		21.4	-25.29	-6780.70	805.27	-6.29	-102.93	-2229.76	-.28	-10.68		4.01	4.01	.382
		28.5	-25.26	-16110.40	1343.07	-6.29	-114.89	-2229.76	-.28	-25.30		4.27	4.27	.889
303- 306	125- 1	0.0	67.36	-507.97	60.09	7.54	1.65	-16.52	3.50	9.07		.95	.95	.437
		7.2	67.36	-309.17	-348.20	2.35	2.58	-16.52	3.50	8.21		.53	.53	.407
		14.5	67.36	-19.98	-341.50	-2.37	3.63	-16.52	3.50	6.03		.60	.60	.331
		21.7	67.37	297.53	36.64	-6.08	3.52	-16.52	3.50	5.29		.88	.88	.305
		29.0	67.37	597.03	599.64	-6.51	3.47	-16.52	3.50	14.92		.91	.91	.640
303- 403	DRL- 1	0.0	-7.73	12061.58	1084.22	7.91	-46.95	1771.98	-.08	-18.94		2.43	2.43	.661
		7.1	-7.70	7328.05	407.63	7.91	-64.26	1771.98	-.08	-11.48		2.81	2.81	.402
		14.2	-7.67	1067.23	-268.96	7.91	-82.01	1771.98	-.08	-1.72		3.19	3.19	.063
		21.4	-7.64	-6641.64	-945.56	7.91	-97.75	1771.98	-.08	-10.49		3.54	3.54	.368
		28.5	-7.61	-15533.77	-1622.15	7.91	-109.70	1771.98	-.08	-24.43		3.80	3.80	.852

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
306- 406	DRL- 1	0.0	-215.16	14979.33	-1469.94	-10.96	-79.20	419.35	-2.36	-23.55		2.08	2.08	.908
		7.1	-215.13	8080.08	-552.77	-10.96	-84.97	419.35	-2.36	-12.67		2.21	2.21	.530
		14.2	-215.10	195.20	384.39	-10.96	-99.86	419.35	-2.36	-.67		2.53	2.53	.113
		21.4	-215.07	-9019.84	1321.56	-10.96	-115.25	419.35	-2.36	-14.26		2.87	2.87	.585
		28.5	-215.05	-19414.79	2258.73	-10.96	-127.42	419.35	-2.36	-30.58		3.14	3.14	1.152
401- 501	JL4- 1	0.0	-951.81	5657.85	16277.52	-95.22	44.60	225.28	-3.74	-6.74		.87	.87	.365
		1.1	-952.65	6279.57	19596.42	-97.49	46.24	225.28	-3.75	-7.25		.89	.89	.383
		2.3	-953.49	6923.31	20945.87	-99.68	47.81	225.28	-3.75	-7.78		.91	.91	.401
		3.4	-954.34	7588.42	22325.04	-101.85	49.36	225.28	-3.75	-8.31		.93	.93	.420
		4.6	-955.18	8274.51	23733.24	-103.92	50.88	225.28	-3.76	-8.86		.95	.95	.439
401- 510	P1- 1	0.0	937.99	6022.49	-828.40	-7.53	26.33	433.76	4.24	2.84		.35	.35	.246
		1.1	937.26	6384.55	-725.22	-7.53	26.46	433.76	4.24	3.01		.35	.35	.251
		2.3	936.52	6748.29	-621.96	-7.53	26.58	433.76	4.23	3.17		.35	.35	.257
		3.4	935.78	7113.72	-518.70	-7.53	26.70	433.76	4.23	3.34		.35	.35	.263
		4.6	935.05	7480.84	-415.45	-7.53	26.82	433.76	4.23	3.50		.35	.35	.268
403- 503	JL4- 1	0.0	-968.12	6226.67	-18440.16	108.79	75.17	776.34	-3.81	-6.86		1.18	1.18	.371
		1.1	-968.96	7268.78	-19944.91	111.06	76.60	776.34	-3.81	-7.48		1.20	1.20	.393
		2.3	-969.81	8330.09	-21480.19	113.26	78.38	776.34	-3.81	-8.12		1.22	1.22	.415
		3.4	-970.65	9414.57	-23045.19	115.41	79.93	776.34	-3.82	-8.78		1.24	1.24	.438
		4.6	-971.50	10518.83	-24639.22	117.49	81.44	776.34	-3.82	-9.44		1.26	1.26	.462
403- 511	P1- 1	0.0	997.69	6889.13	-465.36	5.16	27.69	153.51	4.51	3.23		.29	.29	.269
		1.1	996.95	7269.64	-536.10	5.16	27.82	153.51	4.51	3.41		.29	.29	.275
		2.3	996.21	7652.25	-606.85	5.16	27.94	153.51	4.50	3.59		.29	.29	.281
		3.4	995.48	8036.31	-677.59	5.16	28.06	153.51	4.50	3.77		.29	.29	.287
		4.6	994.74	8422.08	-748.33	5.16	28.10	153.51	4.50	3.95		.29	.29	.293
406- 506	JL4- 1	0.0	1940.63	-12404.46	2447.12	-10.63	-73.94	450.46	7.63	4.46		.67	.67	.420
		1.1	1939.79	-13435.66	2592.61	-10.63	-76.74	450.46	7.63	4.82		.69	.69	.432
		2.3	1938.94	-14504.63	2738.11	-10.63	-79.46	450.46	7.63	5.20		.71	.71	.446
		3.4	1938.09	-15610.07	2883.61	-10.63	-82.07	450.46	7.62	5.60		.73	.73	.459
		4.6	1937.24	-16750.97	3029.11	-10.63	-84.63	450.46	7.62	6.00		.75	.75	.473
406- 512	P1- 1	0.0	-2174.97	-11739.85	-287.94	-.33	-24.67	334.62	-9.83	-5.49		.30	.30	.532
		1.1	-2175.71	-12080.11	-283.41	-.33	-24.75	334.62	-9.83	-5.65		.30	.30	.538
		2.3	-2176.45	-12418.68	-278.88	-.33	-24.62	334.62	-9.84	-5.81		.30	.30	.543
		3.4	-2177.18	-12755.58	-274.36	-.33	-24.50	334.62	-9.84	-5.97		.30	.30	.549
		4.5	-2177.92	-13090.80	-269.83	-.33	-24.38	334.62	-9.84	-6.12		.30	.30	.555
501- 502	165- 1	0.0	146.48	36.28	592.79	1.25	-.84	-160.00	4.85	5.32		.85	.85	.353
		3.8	146.48	7.65	476.60	3.86	-.41	-160.00	4.85	4.27		1.01	1.01	.317
		7.6	146.48	-1.13	241.90	6.47	.02	-160.00	4.85	2.16		1.18	1.18	.244
		11.4	146.48	9.34	-111.87	9.09	.44	-160.00	4.85	1.01		1.35	1.35	.203
		15.1	146.48	39.27	-584.31	11.70	.87	-160.00	4.85	5.24		1.53	1.53	.351

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 7

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	165- 1	0.0	-345.76	-1059.11	663.60	4.21	4.31	-103.45	-11.45	-11.19		.86	.86	.858
		3.8	-345.77	-653.63	442.75	5.51	4.73	-103.45	-11.45	-8.61		.94	.94	.772
		7.6	-345.76	-629.30	162.55	6.82	5.13	-103.45	-11.45	-5.82		1.03	1.03	.680
		11.4	-345.76	-387.24	-177.37	8.14	5.51	-103.45	-11.45	-3.81		1.11	1.11	.608
		15.1	-345.77	-128.78	-576.92	9.45	5.85	-103.45	-11.45	-5.29		1.20	1.20	.640
501- 601	JLS- 1	0.0	-958.30	7377.12	21529.80	126.44	-36.61	32.22	-6.63	-14.04		1.83	1.83	.718
		1.5	-959.25	6726.60	19347.24	123.78	-34.70	32.22	-6.64	-12.59		1.79	1.79	.668
		3.0	-960.22	6110.38	17112.41	121.21	-32.85	32.22	-6.64	-11.17		1.75	1.75	.619
		4.6	-961.18	5527.28	14923.50	118.73	-31.07	32.22	-6.65	-9.78		1.71	1.71	.571
		6.1	-962.14	4976.17	12779.15	116.34	-29.34	32.22	-6.66	-8.43		1.67	1.67	.524
501- 632	210- 1	0.0	11.31	297.77	-1621.32	-17.54	-3.26	-296.59	.25	7.83		1.49	1.49	.281
		5.1	11.27	125.24	-684.21	-13.36	-2.43	-296.59	.25	3.31		1.30	1.30	.123
		10.1	11.22	2.60	7.70	-9.46	-1.62	-296.59	.25	.04		1.13	1.13	.010
		15.2	11.19	-72.17	470.14	-5.80	-.85	-296.59	.25	2.26		.96	.96	.087
		20.2	11.16	-101.05	716.38	-2.35	-.11	-296.59	.25	3.44		.81	.81	.128
502- 503	165- 1	0.0	151.95	46.19	-537.28	-10.78	-.71	114.39	5.03	4.83		1.23	1.23	.343
		3.8	151.95	23.44	-106.85	-8.16	-.29	114.39	5.03	.98		1.05	1.05	.209
		7.6	151.95	20.14	204.79	-5.55	.14	114.39	5.03	1.84		.88	.88	.239
		11.4	151.95	36.29	397.66	-2.94	.57	114.39	5.03	3.58		.71	.71	.299
		15.1	151.95	71.69	471.75	-.32	1.00	114.39	5.03	4.27		.58	.58	.323
502- 504	125- 1	0.0	-8.46	-127.51	3.20	1.29	.74	53.99	-.71	-4.27		1.15	1.15	.176
		3.8	-8.48	-90.37	-35.45	.41	.89	53.99	-.71	-3.25		1.07	1.07	.141
		7.6	-8.49	-46.34	-33.94	-.47	1.04	53.99	-.71	-1.92		1.10	1.10	.095
		11.4	-8.51	4.50	7.73	-1.36	1.19	53.99	-.71	-.30		1.21	1.21	.038
		15.2	-8.51	61.09	69.46	-2.25	1.30	53.99	-.71	-3.62		1.34	1.34	.154
502- 505	125- 1	0.0	-19.09	-137.51	-50.23	-1.47	.85	-51.78	-1.60	-4.90		1.15	1.15	.233
		3.8	-19.11	-95.62	-3.36	-.59	1.00	-51.78	-1.60	-3.20		1.06	1.06	.174
		7.6	-19.12	-46.65	3.32	.29	1.15	-51.78	-1.61	-1.57		1.06	1.06	.117
		11.4	-19.14	6.74	-30.13	1.18	1.29	-51.78	-1.61	-1.05		1.16	1.16	.099
		15.2	-19.14	70.05	-103.65	2.05	1.41	-51.78	-1.61	-4.18		1.28	1.28	.208
503- 505	165- 1	0.0	153.38	-919.01	-517.13	-1.13	3.65	99.51	5.08	9.44		.70	.70	.504
		3.8	153.39	-743.27	-436.12	-2.44	4.06	99.51	5.08	7.72		.76	.76	.444
		7.6	153.40	-546.66	-295.77	-3.74	4.46	99.51	5.08	5.58		.83	.83	.370
		11.4	153.38	-330.37	-95.69	-5.06	4.86	99.51	5.08	3.13		.91	.91	.285
		15.1	153.39	-107.64	164.00	-6.37	5.20	99.51	5.08	1.76		.99	.99	.237
503- 603	JLS- 1	0.0	-617.70	8720.99	-22535.53	-131.50	-43.99	275.00	-4.27	-14.85		2.00	2.00	.665
		1.5	-618.56	7935.95	-20160.79	-128.83	-42.08	275.00	-4.28	-13.31		1.96	1.96	.612
		3.0	-619.63	7185.17	-17833.77	-126.26	-40.23	275.00	-4.29	-11.82		1.92	1.92	.559
		4.6	-620.58	6467.52	-15552.76	-123.79	-38.45	275.00	-4.29	-10.35		1.88	1.88	.509
		6.1	-621.54	5781.66	-13316.13	-121.40	-36.72	275.00	-4.30	-8.92		1.84	1.84	.459

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE FY KIPS	----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /----	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS ----/	COMB. UNITY CHECK
503- 635	210- 1	0.0	-600.35	-1629.39	275.62	6.39	10.27	163.38	-13.24	-7.85		.92	.92	.741
		5.1	-600.39	-1053.93	-54.45	4.50	8.70	163.38	-13.24	-5.02		.82	.82	.652
		10.1	-600.44	-571.39	-273.81	2.73	7.19	163.38	-13.24	-3.01		.73	.73	.590
		15.2	-600.49	-178.74	-388.12	1.05	5.75	163.38	-13.24	-2.03		.65	.65	.559
		20.2	-600.52	129.01	-403.38	-.53	4.39	163.38	-13.24	-2.01		.58	.58	.558
504- 505	125- 1	0.0	27.16	76.12	-80.12	-3.03	-.19	.76	2.28	3.70		.52	.52	.208
		3.8	27.16	69.69	17.85	-1.28	-.08	.76	2.28	2.41		.23	.23	.163
		7.6	27.16	68.65	36.53	.46	.03	.76	2.28	2.61		.09	.09	.170
		11.4	27.16	72.94	-23.90	2.20	.15	.76	2.28	2.57		.38	.38	.168
		15.2	27.16	82.21	-163.65	3.94	.26	.76	2.28	6.12		.68	.68	.292
504- 506	165- 1	0.0	-308.15	-183.71	-407.33	-6.11	7.35	41.90	-12.20	-4.00		.82	.82	.634
		3.8	-308.14	157.47	-159.36	-4.80	7.60	41.90	-12.19	-2.01		.79	.79	.574
		7.6	-308.13	512.31	29.25	-3.50	7.94	41.90	-12.19	-4.59		.76	.76	.672
		11.4	-308.14	878.00	159.23	-2.22	8.14	41.90	-12.19	-7.99		.75	.75	.792
		15.2	-308.14	1251.54	231.56	-.97	8.29	41.90	-12.19	-11.40		.74	.74	.913
505- 506	165- 1	0.0	125.06	-157.91	-103.30	-.29	6.87	-58.57	4.14	1.69		.72	.72	.203
		3.8	125.07	161.52	-60.54	-1.59	7.10	-58.57	4.14	1.54		.75	.75	.197
		7.6	125.08	494.19	41.57	-2.90	7.40	-58.57	4.14	4.44		.79	.79	.298
		11.4	125.07	837.91	202.31	-4.17	7.66	-58.57	4.14	7.72		.84	.84	.412
		15.2	125.07	1189.49	420.70	-5.43	7.80	-58.57	4.14	11.30		.89	.89	.536
506- 606	JLS- 1	0.0	1585.50	-12695.75	2532.51	10.66	72.20	447.96	10.97	7.96		1.15	1.15	.657
		1.5	1584.55	-11406.34	2334.39	10.66	68.92	447.96	10.96	7.16		1.10	1.10	.629
		3.0	1583.58	-10179.57	2136.27	10.66	65.70	447.96	10.96	6.39		1.06	1.06	.603
		4.6	1582.62	-9007.23	1938.14	10.66	62.74	447.96	10.95	5.66		1.02	1.02	.577
		6.1	1581.67	-7889.35	1740.02	10.66	59.80	447.96	10.94	4.96		.98	.98	.553
506- 634	210- 1	0.0	606.21	1620.65	1012.37	10.31	-13.40	96.32	13.37	9.90		.97	.97	.808
		5.1	606.17	1078.51	456.40	8.02	-11.05	96.32	13.36	5.57		.83	.83	.657
		10.1	606.14	478.26	35.75	5.84	-8.72	96.32	13.36	2.28		.69	.69	.543
		15.2	606.09	19.28	-255.12	3.75	-6.41	96.32	13.36	1.22		.56	.56	.506
		20.2	606.04	-301.75	-422.86	1.79	-4.17	96.32	13.36	2.47		.43	.43	.550
510- 710	P1- 1	0.0	935.09	7482.63	-368.52	-8.67	-36.56	654.38	4.23	3.40		.49	.49	.268
		6.3	931.01	4728.69	290.92	-8.67	-35.86	654.38	4.21	2.22		.49	.49	.223
		12.7	926.92	2026.35	950.36	-8.67	-35.20	654.38	4.19	1.05		.48	.48	.182
		19.0	922.83	-624.22	1609.80	-8.67	-34.52	654.38	4.17	.81		.47	.47	.173
		25.3	918.75	-3222.99	2269.24	-8.67	-33.84	654.38	4.15	1.84		.47	.47	.208
511- 711	P1- 1	0.0	994.80	8417.42	-800.99	6.37	-39.04	-123.55	-4.50	3.95		.39	.39	.293
		6.3	990.71	5474.83	-1285.59	6.37	-38.30	-123.55	4.48	2.63		.38	.38	.247
		12.7	986.62	2584.04	-1770.20	6.37	-37.66	-123.55	4.46	1.47		.37	.37	.206
		19.0	982.53	-254.96	-2254.80	6.37	-37.00	-123.55	4.44	1.06		.37	.37	.191
		25.3	978.45	-3042.16	-2739.41	6.37	-36.32	-123.55	4.42	1.91		.36	.36	.220

S T R A C   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	-2178.03	-13090.80	-269.96	-.53	63.01	361.59	-9.84	-6.12		.65	.65	.555
		6.3	-2182.12	-8273.70	-244.86	-.53	63.69	361.59	-9.86	-3.87		.66	.66	.478
		12.7	-2186.21	-3404.77	-219.77	-.53	64.36	361.59	-9.88	-1.60		.67	.67	.410
		19.0	-2190.30	1516.00	-194.67	-.53	65.06	361.59	-9.90	-.71		.67	.67	.384
		25.3	-2194.39	6486.62	-169.57	-.53	65.74	361.59	-9.92	-3.04		.68	.68	.454
601- 631	JL5- 1	0.0	-971.57	4756.05	12444.69	96.40	-53.41	504.46	-6.72	-8.19		1.57	1.57	.518
		1.5	-972.53	4173.70	10706.63	94.08	-51.75	504.46	-6.73	-7.06		1.53	1.53	.479
		3.0	-973.49	3609.60	9010.42	91.82	-50.09	504.46	-6.74	-5.96		1.49	1.49	.441
		4.6	-974.45	3074.93	7354.65	89.65	-28.51	504.46	-6.74	-4.90		1.46	1.46	.404
		6.1	-975.41	2566.75	5737.82	87.55	-26.97	504.46	-6.75	-3.86		1.42	1.42	.369
603- 633	JL5- 1	0.0	-631.96	5544.40	-12942.03	-100.88	-41.36	-213.10	-4.37	-8.65		1.57	1.57	.452
		1.5	-632.92	4604.69	-11122.21	-98.56	-39.69	-213.10	-4.38	-7.45		1.54	1.54	.411
		3.0	-633.88	4095.63	-9344.25	-96.30	-38.05	-213.10	-4.39	-6.27		1.50	1.50	.370
		4.6	-634.84	3415.79	-7606.72	-94.15	-36.46	-213.10	-4.39	-5.12		1.46	1.46	.331
		6.1	-635.80	2764.45	-5908.13	-92.03	-34.93	-213.10	-4.40	-4.01		1.43	1.43	.292
606- 636	JL5- 1	0.0	1501.67	-7889.35	1740.02	10.86	59.80	447.96	10.94	4.96		.98	.98	.553
		1.5	1500.70	-6824.26	1541.90	10.86	56.95	447.96	10.94	4.30		.94	.94	.529
		3.0	1579.74	-5610.41	1343.77	10.86	54.17	447.96	10.93	3.66		.90	.90	.507
		4.6	1578.78	-4846.31	1145.65	10.86	51.50	447.96	10.92	3.06		.87	.87	.486
		6.1	1577.82	-3930.19	947.53	10.86	48.92	447.96	10.92	2.48		.83	.83	.465
631- 651	JL6- 1	0.0	-975.44	2597.48	5725.76	86.61	-28.77	494.29	-6.75	-3.86		1.41	1.41	.369
		1.5	-975.37	2091.02	4172.13	83.71	-26.75	494.29	-6.75	-2.87		1.37	1.37	.334
		3.0	-975.29	1620.95	2670.69	80.88	-24.78	494.29	-6.75	-1.92		1.32	1.32	.301
		4.6	-975.22	1166.24	1219.90	78.16	-22.88	494.29	-6.75	-1.05		1.28	1.28	.271
		6.1	-975.15	785.71	-181.89	75.52	-21.05	494.29	-6.75	-.50		1.24	1.24	.252
632- 703	210- 1	0.0	11.16	-101.01	716.34	-2.35	-.11	-296.71	.25	3.44		.81	.81	.128
		5.5	11.10	-61.49	696.61	2.89	.70	-296.71	.24	3.33		.84	.84	.124
		11.0	11.05	-10.18	341.86	7.64	1.46	-296.71	.24	1.63		1.06	1.06	.065
		16.4	11.00	110.31	-327.82	12.47	2.19	-296.71	.24	1.64		1.26	1.26	.066
		21.9	10.96	277.29	-1292.40	16.81	2.88	-296.71	.24	6.28		1.46	1.46	.227
633- 653	JL6- 1	0.0	-635.82	2793.78	-5894.69	-91.33	-36.27	-202.53	-4.40	-4.01		1.42	1.42	.292
		1.5	-635.75	2150.47	-4254.91	-88.43	-34.25	-202.53	-4.40	-2.93		1.37	1.37	.255
		3.0	-635.68	1543.56	-2607.53	-85.60	-32.26	-202.53	-4.40	-1.89		1.33	1.33	.219
		4.6	-635.60	972.01	-1130.41	-82.88	-30.38	-202.53	-4.40	-.92		1.28	1.28	.185
		6.1	-635.53	454.65	357.53	-80.24	-28.53	-202.53	-4.40	-.35		1.24	1.24	.165
634- 701	210- 1	0.0	606.04	-501.71	-422.96	1.68	-4.37	96.12	13.36	2.47		.43	.43	.550
		5.5	605.99	-483.54	-435.50	-1.27	-1.19	96.12	13.36	3.09		.31	.31	.571
		11.0	605.95	-461.38	-259.51	-4.04	1.85	96.12	13.36	2.52		.42	.42	.551
		16.5	605.92	-245.81	93.03	-6.64	4.69	96.12	13.36	1.25		.59	.59	.507
		21.9	605.89	152.12	609.69	-9.03	7.37	96.12	13.36	2.99		.74	.74	.568

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
635- 706	210- 1	0.0	-600.52	128.97	-403.39	-.71	4.33	165.38	-13.24	-2.01		.58	.58	.563
		5.5	-600.59	335.90	-277.76	-3.07	1.98	165.38	-13.24	-2.07		.55	.55	.565
		11.0	-600.64	392.33	-1.81	-5.29	-.24	165.38	-13.24	-1.86		.62	.62	.559
		16.4	-600.67	307.69	413.62	-7.31	-2.31	165.38	-13.24	-2.45		.73	.73	.577
		21.9	-600.72	90.95	955.15	-9.17	-4.26	165.38	-13.24	-4.56		.83	.83	.644
635- 650	JL6- 1	0.0	1577.82	-3930.19	947.53	10.86	48.92	447.96	10.92	2.48		.83	.83	.465
		1.5	1577.90	-3076.76	749.40	10.86	44.64	447.96	10.92	1.95		.77	.77	.447
		3.0	1577.98	-2300.47	551.28	10.86	40.45	447.96	10.92	1.45		.72	.72	.430
		4.6	1578.05	-1599.41	353.16	10.86	36.40	447.96	10.92	1.01		.66	.66	.414
		6.1	1578.13	-971.31	155.03	10.86	32.46	447.96	10.92	.60		.61	.61	.400
651- 701	JL6- 1	0.0	-1012.31	853.90	288.53	32.02	-21.27	1234.32	-7.00	-.55		.91	.91	.263
		1.8	-1012.23	422.88	-361.22	29.03	-19.22	1234.32	-7.00	-.34		.86	.86	.256
		3.5	-1012.13	34.67	-948.45	26.15	-17.25	1234.32	-7.00	-.58		.81	.81	.264
		5.3	-1012.05	-312.33	-1475.50	23.37	-15.35	1234.32	-7.00	-.93		.77	.77	.275
		7.1	-1011.95	-619.57	-1944.51	20.70	-13.51	1234.32	-7.00	-1.25		.72	.72	.287
653- 703	JL6- 1	0.0	-667.37	642.14	-162.31	-36.63	-28.52	-935.79	-4.62	-.41		.93	.93	.175
		1.8	-667.28	56.83	585.56	-33.64	-26.47	-935.79	-4.62	-.36		.88	.88	.173
		3.5	-667.19	-485.67	1270.90	-30.76	-24.50	-935.79	-4.62	-.84		.83	.83	.189
		5.3	-667.10	-986.95	1896.07	-27.98	-22.60	-935.79	-4.62	-1.31		.79	.79	.206
		7.1	-667.01	-1448.48	2463.19	-25.30	-20.76	-935.79	-4.62	-1.76		.74	.74	.221
656- 706	JL6- 1	0.0	1578.15	-971.31	154.82	10.86	31.73	448.03	10.92	.60		.60	.60	.400
		1.8	1578.24	-345.44	-76.34	10.86	27.28	448.03	10.92	.22		.54	.54	.387
		3.5	1578.33	191.31	-307.50	10.86	22.96	448.03	10.92	.22		.49	.49	.387
		5.3	1578.41	636.31	-538.66	10.86	18.84	448.03	10.92	.51		.44	.44	.397
		7.1	1578.50	994.59	-769.82	10.86	14.83	448.03	10.92	.77		.39	.39	.406
701- 702	137- 1	0.0	40.83	45.45	-81.49	-4.16	-.57	-18.35	2.80	2.13		.78	.78	.171
		4.7	40.83	16.45	83.84	-1.72	-.46	-18.35	2.80	1.95		.45	.45	.165
		9.4	40.83	-6.47	111.92	.72	-.35	-18.35	2.80	2.56		.32	.32	.186
		14.1	40.83	-23.34	2.92	3.15	-.25	-18.35	2.80	.54		.64	.64	.116
		18.8	40.83	-34.14	-243.23	5.59	-.14	-18.35	2.80	5.61		.98	.98	.292
701- 704	137- 1	0.0	-7.56	-29.88	48.10	-1.26	-.21	-5.68	-.52	-1.29		.24	.24	.071
		4.7	-7.58	-36.43	85.27	-.06	-.10	-5.68	-.52	-2.13		.08	.08	.100
		9.4	-7.59	-40.91	55.05	1.14	.01	-5.68	-.52	-1.57		.22	.22	.080
		14.1	-7.60	-37.45	-42.56	2.33	.11	-5.68	-.52	-1.29		.39	.39	.071
		18.8	-7.61	-29.06	-207.62	3.53	.17	-5.68	-.52	-4.79		.55	.55	.192
701- 801	JL7- 1	0.0	-336.77	-1350.44	-2213.72	10.58	-6.57	300.80	-4.76	-3.30		.54	.54	.280
		8.6	-332.67	-1656.95	-2708.79	-.70	.54	300.80	-4.71	-4.04		.22	.22	.304
		17.2	-328.59	-1279.80	-2119.24	-10.48	6.60	300.80	-4.65	-3.15		.54	.54	.271
		25.9	-324.48	-324.72	-582.54	-19.04	11.73	300.80	-4.59	-.85		.82	.82	.196
		34.5	-320.39	1117.38	1778.93	-26.50	16.05	300.80	-4.53	-2.67		1.07	1.07	.250

STRAN MEMBER DETAIL REPORT

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5-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 806	200- 1	0.0	-479.67	-1015.96	-519.85	-7.35	9.27	10.52	-12.61	-6.38		.65	.65	.898
		13.6	-479.57	118.07	315.64	-2.98	4.68	10.52	-12.61	-1.89		.32	.32	.688
		27.2	-479.49	537.77	460.78	.88	.51	10.52	-12.60	-4.04		.08	.08	.749
		40.8	-479.40	299.13	52.51	4.28	-3.37	10.52	-12.60	-1.70		.32	.32	.679
		54.4	-479.31	-536.78	-890.89	7.22	-6.82	10.52	-12.60	-5.83		.55	.55	.872
702- 703	137- 1	0.0	40.46	-26.60	-255.84	-5.69	.06	3.30	2.78	5.87		.85	.85	.300
		4.7	40.46	-20.60	7.02	-3.45	.16	3.30	2.78	.50		.51	.51	.114
		9.4	40.46	-8.32	132.61	-1.01	.27	3.30	2.78	3.03		.18	.18	.202
		14.1	40.46	10.01	121.13	1.42	.38	3.30	2.78	2.77		.24	.24	.193
		18.8	40.46	34.40	-27.50	3.86	.49	3.30	2.78	1.01		.57	.57	.131
702- 704	127- 1	0.0	-8.18	-5.01	92.53	2.25	-.11	6.90	-.69	-3.10		.49	.49	.136
		4.7	-8.18	-6.53	-0.99	1.22	-.02	6.90	-.69	-.33		.32	.32	.039
		9.4	-8.18	-6.77	-44.60	.19	.06	6.90	-.69	-1.51		.15	.15	.080
		14.1	-8.19	.14	-26.29	-.84	.16	6.90	-.69	-.88		.26	.26	.059
		18.8	-8.19	10.60	49.93	-1.87	.21	6.90	-.69	-1.71		.43	.43	.087
702- 705	127- 1	0.0	-7.62	-13.94	-79.92	-2.15	-.08	-3.58	-.64	-2.71		.42	.42	.120
		4.7	-7.62	-16.07	12.20	-1.12	.01	-3.58	-.64	-.68		.25	.25	.050
		9.4	-7.62	-12.93	46.53	-.09	.10	-3.58	-.64	-1.61		.08	.08	.082
		14.1	-7.62	-4.03	22.89	.93	.19	-3.58	-.64	-.78		.22	.22	.053
		18.8	-7.62	7.21	-58.67	1.96	.25	-3.58	-.64	-1.98		.39	.39	.095
703- 705	137- 1	0.0	-7.06	-10.78	-108.40	.88	-.23	7.16	-.48	-2.49		.21	.21	.110
		4.7	-7.07	-20.75	-124.10	-.32	-.12	7.16	-.49	-2.87		.13	.13	.124
		9.4	-7.08	-24.65	-72.38	-1.52	-.02	7.16	-.49	-1.75		.29	.29	.085
		14.1	-7.10	-22.60	46.73	-2.72	.08	7.16	-.49	-1.18		.45	.45	.065
		18.8	-7.11	-10.21	233.26	-3.91	.14	7.16	-.49	-5.34		.62	.62	.210
703- 801	200- 1	0.0	-14.02	120.48	1413.18	17.19	-2.13	-3.21	-.37	-7.94		.92	.92	.293
		13.6	-13.93	-106.38	-582.78	7.50	-.78	-3.21	-.37	-3.32		.41	.41	.133
		27.2	-13.86	-139.57	-1099.30	-1.01	.33	-3.21	-.36	-6.20		.06	.06	.233
		40.8	-13.80	-7.01	-308.35	-8.51	1.25	-3.21	-.36	-1.73		.46	.46	.077
		54.4	-13.70	257.72	1628.48	-15.09	1.90	-3.21	-.36	-9.23		.81	.81	.338
703- 803	067- 1	0.0	-649.63	-1155.25	2199.17	-12.59	-9.33	229.85	-9.19	-3.15		.59	.59	.437
		8.6	-645.53	-1721.04	2902.57	-1.51	-2.22	229.85	-9.13	-4.29		.22	.22	.470
		17.2	-641.45	-1629.17	2521.35	8.47	3.84	229.85	-9.07	-3.82		.41	.41	.453
		25.9	-637.34	-959.38	1192.97	17.02	8.97	229.85	-9.02	-1.95		.69	.69	.394
		34.5	-633.25	197.44	-960.18	24.49	13.29	229.85	-8.96	-1.25		.93	.93	.370
704- 705	127- 1	0.0	15.67	7.10	-138.59	-4.11	-.08	-2.60	1.32	4.64		.73	.73	.207
		4.7	15.67	3.75	34.40	-2.04	-.04	-2.60	1.32	1.16		.39	.39	.086
		9.4	15.67	3.04	91.25	.02	.01	-2.60	1.32	3.05		.05	.05	.152
		14.1	15.67	4.96	32.11	2.08	.06	-2.60	1.32	1.09		.39	.39	.083
		18.8	15.67	9.52	-145.07	4.14	.10	-2.60	1.32	4.79		.74	.74	.212

S T R A N   M E M B E R   D E T A I L   R E P O R T

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
704- 706	137- 1	0.0	-24.71	-31.04	-19.10	-1.83	.46	14.41	-1.69	-.84		.42	.42	.114
		4.7	-24.72	-5.95	50.25	-.65	.52	14.41	-1.70	-1.15		.28	.28	.124
		9.4	-24.72	26.25	53.43	.51	.55	14.41	-1.70	-1.36		.27	.27	.131
		14.1	-24.72	57.24	-7.23	1.04	.55	14.41	-1.70	-1.32		.40	.40	.130
		18.8	-24.74	87.29	-130.25	2.73	.52	14.41	-1.70	-3.56		.55	.55	.209
705- 706	137- 1	0.0	-24.04	-22.72	31.52	1.96	.48	-7.63	-1.65	-.89		.37	.37	.113
		4.7	-24.05	6.14	-45.33	.77	.54	-7.62	-1.65	-1.04		.22	.22	.116
		9.4	-24.05	37.53	-56.01	-.38	.57	-7.62	-1.65	-1.54		.18	.18	.135
		14.1	-24.05	69.71	-2.84	-1.50	.57	-7.62	-1.65	-1.59		.31	.31	.137
		18.8	-24.07	100.94	112.68	-2.60	.54	-7.62	-1.65	-3.45		.45	.45	.202
705- 805	200- 1	0.0	487.61	1293.47	-1043.10	-10.29	-11.23	-2.46	12.82	9.30		.81	.81	.763
		13.6	487.73	-90.50	194.25	-4.97	-5.78	-2.46	12.82	1.20		.41	.41	.487
		27.2	487.40	-611.69	608.17	-.17	-.68	-2.46	12.82	4.83		.04	.04	.613
		40.8	487.92	-340.69	281.50	4.09	3.89	-2.46	12.83	2.47		.30	.30	.531
		54.4	488.31	625.57	-699.42	7.05	7.84	-2.46	12.83	5.24		.59	.59	.628
705- 806	JL7- 1	0.0	890.22	2357.21	316.16	2.80	19.93	-194.96	12.59	3.02		.69	.69	.542
		8.5	894.30	3504.27	26.34	2.80	2.65	-194.96	12.65	4.46		.23	.23	.594
		17.2	898.42	2975.55	-265.51	2.80	-12.61	-194.95	12.71	3.80		.49	.49	.573
		25.9	902.52	948.43	-553.55	2.80	-26.33	-194.96	12.77	1.40		.87	.87	.492
		34.5	906.61	-2422.07	-843.20	2.80	-38.69	-194.96	12.83	3.26		1.22	1.22	.559
710- 810	P2- 1	0.0	918.71	-3220.57	2272.66	-8.51	4.40	652.96	3.65	1.64		.21	.21	.184
		8.5	912.39	-2711.76	3152.52	-8.51	5.45	652.96	3.63	1.73		.22	.22	.186
		17.2	906.08	-2094.26	4032.38	-8.51	6.50	652.96	3.61	1.89		.22	.22	.191
		25.9	899.76	-1360.08	4912.24	-8.51	7.55	652.96	3.58	2.13		.23	.23	.196
		34.5	893.45	-533.22	5792.10	-8.51	8.60	652.96	3.55	2.42		.23	.23	.208
711- 811	P2- 1	0.0	978.42	-3039.48	-2741.65	6.21	-4.00	580.15	3.89	1.71		.18	.18	.194
		8.6	972.10	-3398.80	-3383.64	6.21	-2.95	580.15	3.87	2.00		.18	.18	.204
		17.2	965.79	-3649.43	-4025.64	6.21	-1.90	580.15	3.84	2.26		.17	.17	.212
		25.9	959.47	-3791.38	-4667.64	6.21	-.85	580.15	3.82	2.51		.17	.17	.220
		34.5	953.15	-3824.04	-5309.63	6.21	.20	580.15	3.79	2.73		.17	.17	.226
712- 812	P2- 1	0.0	-2194.30	6458.62	-170.36	-.33	-6.05	-305.22	-8.73	-2.70		.11	.11	.411
		8.6	-2200.61	5917.28	-136.22	-.33	-5.00	-303.22	-8.76	-2.47		.10	.10	.404
		17.2	-2206.93	5454.65	-102.09	-.33	-3.95	-303.22	-8.78	-2.27		.09	.09	.399
		25.9	-2213.25	5101.33	-67.96	-.33	-2.89	-303.22	-8.81	-2.13		.09	.09	.396
		34.5	-2219.56	4856.72	-33.83	-.33	-1.84	-303.22	-8.83	-2.02		.08	.08	.393
801- 802	188- 1	0.0	60.46	22.55	70.51	-2.93	-.47	-34.07	2.48	.81		.43	.43	.114
		5.9	60.46	-5.07	194.54	-.68	-.33	-34.07	2.48	2.17		.25	.25	.162
		11.8	60.46	-23.81	167.04	1.57	-.18	-34.07	2.48	1.84		.32	.32	.150
		17.7	60.46	-31.69	-23.84	3.81	-.04	-34.07	2.48	.44		.50	.50	.101
		23.7	60.46	-29.90	-374.16	6.06	.10	-34.07	2.48	4.10		.68	.66	.229

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MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
801- 804	188- 1	0.0	134.12	-195.93	189.65	-.86	.32	-12.37	5.51	2.96		.14	.14	.295
		5.9	134.12	-157.65	211.25	.27	.46	-12.37	5.51	2.95		.11	.11	.294
		11.8	134.11	-131.19	150.60	1.44	.56	-12.37	5.51	2.18		.19	.19	.267
		17.7	134.10	-88.44	7.34	2.60	.64	-12.37	5.51	.97		.29	.29	.225
		23.7	134.09	-39.82	-218.72	3.77	.73	-12.37	5.51	2.43		.33	.33	.276
801-1001	160- 1	0.0	-58.44	1012.40	1827.46	16.26	-8.08	-189.88	-.83	-2.66		.63	.63	.123
		8.6	-54.32	374.72	498.65	9.55	-4.35	-189.88	-.77	-.79		.42	.42	.056
		17.2	-50.21	91.61	-170.75	3.51	-1.20	-189.88	-.71	-.25		.23	.23	.035
		25.9	-46.11	109.60	-246.08	-1.84	1.42	-189.88	-.65	-.34		.19	.19	.036
		34.5	-42.00	319.70	95.45	-3.98	2.15	-189.88	-.59	-.42		.25	.25	.037
801-1002	160- 1	0.0	-2.39	31.08	-592.97	-7.41	-.79	-.66	-.10	-6.49		.62	.62	.230
		10.4	-2.33	-34.47	95.60	-3.70	-.29	-.66	-.10	-1.11		.31	.31	.043
		20.8	-2.26	-45.56	343.40	-.34	.08	-.66	-.09	-3.79		.03	.03	.136
		31.1	-2.23	-16.55	190.09	2.74	.39	-.66	-.09	-2.09		.23	.23	.077
		41.5	-2.17	53.29	-263.69	4.14	.65	-.66	-.09	-2.94		.35	.35	.106
801-1004	160- 1	0.0	-327.43	-532.86	-149.44	-2.77	5.60	-23.82	-13.45	-6.05		.64	.64	.903
		10.4	-327.40	-8.24	100.11	-1.25	2.84	-23.82	-13.45	-1.10		.39	.39	.675
		20.8	-327.34	184.82	171.75	.09	.26	-23.82	-13.44	-2.76		.15	.15	.751
		31.1	-327.29	67.28	80.28	1.36	-2.12	-23.82	-13.44	-1.14		.34	.34	.677
		41.5	-327.23	-299.56	-135.76	1.95	-3.43	-23.82	-13.44	-3.59		.45	.45	.790
802- 803	188- 1	0.0	58.92	-29.88	-406.50	-6.60	-.04	32.01	2.42	4.45		.72	.72	.239
		5.9	58.92	-27.49	-17.50	-4.36	.10	32.01	2.42	.36		.53	.53	.096
		11.8	58.92	-15.04	211.96	-2.11	.25	32.01	2.42	2.32		.35	.35	.165
		17.7	58.92	7.49	262.04	.14	.39	32.01	2.42	3.08		.21	.21	.191
		23.7	58.92	40.07	192.60	2.38	.53	32.01	2.42	2.15		.38	.38	.159
802- 804	148- 1	0.0	-9.68	-31.18	89.55	1.67	.07	11.61	-.81	-3.17		.48	.48	.145
		5.9	-9.69	-24.42	.01	.85	.12	11.61	-.81	-.82		.34	.34	.064
		11.8	-9.69	-13.45	-31.20	.03	.18	11.61	-.81	-1.14		.23	.23	.075
		17.7	-9.70	1.70	-4.15	-.79	.24	11.61	-.81	-.15		.33	.33	.041
		23.7	-9.71	21.05	80.80	-1.59	.30	11.61	-.82	-2.79		.47	.47	.132
802- 805	148- 1	0.0	-6.80	-31.60	-57.21	-1.55	.07	-11.82	-.57	-2.19		.46	.46	.101
		5.9	-6.80	-24.48	23.67	-.73	.13	-11.82	-.57	-1.14		.32	.32	.064
		11.8	-6.81	-13.10	46.23	.09	.19	-11.82	-.57	-1.61		.23	.23	.081
		17.7	-6.81	2.35	10.53	.91	.25	-11.82	-.57	-.36		.36	.36	.037
		23.7	-6.83	22.05	-83.08	1.71	.31	-11.82	-.57	-2.87		.49	.49	.125
803- 805	188- 1	0.0	-172.58	-185.54	-331.28	-.30	.30	16.03	-7.09	-4.15		.12	.12	.492
		5.9	-172.60	-159.57	-270.29	-1.45	.44	16.03	-7.09	-3.43		.21	.21	.469
		11.8	-172.69	-124.96	-127.11	-2.60	.55	16.03	-7.09	-1.95		.31	.31	.423
		17.7	-172.70	-84.30	98.79	-3.77	.61	16.03	-7.09	-1.42		.40	.40	.403
		23.7	-172.71	-37.77	407.43	-4.93	.70	16.03	-7.09	-4.47		.50	.50	.495

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
803-1002	160- 1	0.0	.54	41.11	519.71	7.13	-.81	.74	.02	5.70		.59	.59	.199
		10.4	.60	-27.84	-133.47	3.42	-.31	.74	.02	1.49		.29	.29	.053
		20.8	.67	-41.53	-345.87	.05	.06	.74	.03	3.81		.01	.01	.133
		31.1	.71	-15.13	-157.15	-3.02	.37	.74	.03	1.73		.25	.25	.061
		41.5	.76	52.11	332.03	-4.42	.63	.74	.03	3.67		.37	.37	.129
803-1003	3L8- 1	0.0	-56.99	-70.59	-800.49	-13.76	-5.36	346.86	-.81	-1.02		.64	.64	.065
		8.6	-52.87	-426.55	269.60	-7.05	-1.63	346.86	-.75	-.64		.43	.43	.050
		17.2	-48.76	-426.13	680.28	-1.01	1.52	346.86	-.69	-1.02		.27	.27	.061
		25.9	-44.66	-128.43	496.90	4.35	4.14	346.86	-.63	-.65		.39	.39	.046
		34.5	-40.55	363.00	-103.35	6.48	4.85	346.86	-.57	-.48		.45	.45	.038
803-1005	160- 1	0.0	-326.63	-441.66	164.21	2.87	5.26	12.38	-13.42	-5.15		.56	.56	.860
		10.4	-326.59	39.91	-97.86	1.35	2.50	12.38	-13.41	-1.16		.30	.30	.676
		20.8	-326.53	189.92	-182.02	.01	-.07	12.38	-13.41	-2.88		.07	.07	.755
		31.1	-326.48	29.32	-103.06	-1.26	-2.47	12.38	-13.41	-1.17		.30	.30	.677
		41.5	-326.42	-380.56	100.40	-1.65	-3.76	12.38	-13.41	-4.30		.41	.41	.820
804- 805	148- 1	0.0	16.52	19.48	-165.91	-3.30	-.11	.09	1.39	5.59		.56	.56	.242
		5.9	16.52	13.07	11.36	-1.70	-.05	.09	1.39	.59		.29	.29	.069
		11.8	16.52	12.06	75.28	-.10	.01	.09	1.39	2.55		.02	.02	.137
		17.7	16.52	14.64	25.95	1.49	.07	.09	1.39	1.00		.25	.25	.083
		23.7	16.52	21.42	-136.60	3.09	.13	.09	1.39	4.63		.52	.52	.209
804- 806	188- 1	0.0	116.75	-49.17	28.00	-1.25	1.14	20.51	4.80	.62		.29	.29	.188
		5.9	116.75	34.72	76.69	-.13	1.22	20.51	4.80	.92		.26	.26	.198
		11.8	116.76	124.48	47.69	.95	1.31	20.51	4.80	1.46		.29	.29	.217
		17.8	116.77	220.12	-58.36	2.04	1.39	20.51	4.80	2.49		.36	.36	.253
		23.7	116.78	321.64	-241.53	3.12	1.47	20.51	4.80	4.40		.44	.44	.319
805- 806	188- 1	0.0	-108.54	-47.60	187.70	2.62	1.13	-27.60	-7.74	-2.12		.40	.40	.455
		5.9	-108.54	35.52	27.98	1.70	1.21	-27.60	-7.74	-.49		.32	.32	.405
		11.8	-108.53	124.53	-54.06	.61	1.29	-27.60	-7.74	-1.48		.27	.27	.444
		17.8	-108.5[illegible]	219.40	-59.05	-.47	1.38	-27.60	-7.74	-2.48		.27	.27	.485
		23.7	-108.5[illegible]	320.16	13.06	-1.56	1.46	-27.60	-7.74	-3.50		.33	.33	.528
805-1004	160- 1	0.0	326.90	395.96	422.61	4.56	-4.62	-14.58	13.43	6.33		.61	.61	.686
		10.4	326.98	-22.18	-6.57	2.36	-2.14	-14.58	13.43	.25		.34	.34	.475
		20.8	327.05	-147.16	-171.02	.31	.09	-14.58	13.43	2.47		.11	.11	.552
		31.1	327.09	-6.95	-69.56	-1.58	2.11	-14.58	13.43	.96		.30	.30	.501
		41.5	327.16	333.03	178.19	-2.49	3.10	-14.58	13.44	4.13		.41	.41	.610
806-1005	160- 1	0.0	324.93	481.54	-380.25	-4.45	-4.95	20.43	13.35	6.71		.69	.69	.696
		10.4	325.02	22.07	34.86	-2.24	-2.47	20.43	13.35	.45		.42	.42	.479
		20.8	325.09	-144.25	165.24	-.20	-.24	20.43	13.35	2.57		.17	.17	.553
		31.1	325.13	-45.37	89.71	1.69	1.78	20.43	13.35	1.10		.35	.35	.502
		41.5	325.17	253.27	-192.12	2.60	2.77	20.43	13.36	3.47		.46	.46	.585

LOAD CONDITION NO. 7

5-PILE ACTIV STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SEGT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ----KSI----	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
806-1006	J03- 1	0.0	61.40	-1497.42	-1166.73	-2.68	25.45	127.63	.87	2.41		.75	.75	.114
		8.6	65.47	327.73	-368.96	-2.68	11.96	127.63	.93	1.16		.43	.43	.073
		17.2	69.60	1097.68	-571.20	-2.68	1.30	127.63	.98	1.47		.17	.17	.085
		25.9	73.68	619.09	-273.44	-2.68	-6.67	127.63	1.04	.86		.34	.34	.066
		34.5	77.76	-655.94	24.32	-2.68	-15.41	127.63	1.10	.85		.52	.52	.063
810-1010	P2- 1	0.0	893.44	-536.39	5790.53	-8.65	11.38	-285.69	3.55	2.42		.17	.17	.206
		8.6	887.13	693.12	6654.50	-8.65	12.44	-285.69	3.53	2.80		.18	.18	.220
		17.2	880.91	2033.49	7578.16	-8.65	13.49	-285.69	3.50	3.27		.19	.19	.235
		25.9	874.50	3442.71	8472.46	-8.65	14.54	-285.69	3.48	3.82		.19	.19	.253
		34.5	868.16	5040.29	9366.44	-8.65	15.59	-285.69	3.45	4.43		.20	.20	.274
811-1011	P2- 1	0.0	953.13	-3029.19	-5305.12	6.34	25.57	890.65	3.79	2.73		.40	.40	.225
		8.6	946.41	-1139.40	-5961.70	6.34	26.62	890.65	3.77	2.53		.40	.40	.217
		17.2	940.50	1677.08	-6617.44	6.34	27.65	890.65	3.74	2.84		.41	.41	.229
		25.9	934.15	4593.50	-7273.10	6.34	28.73	890.65	3.72	3.58		.42	.42	.254
		34.5	927.87	7610.77	-7928.75	6.34	29.78	890.65	3.69	4.53		.43	.43	.287
812-1012	P2- 1	0.0	-2219.30	4656.72	-33.05	-.33	-44.86	270.98	-8.83	-2.02		.42	.42	.393
		8.6	-2225.61	270.24	1.15	-.33	-43.83	270.98	-8.85	-.11		.41	.41	.355
		17.2	-2232.13	-4207.52	35.21	-.33	-42.70	270.98	-8.88	-1.75		.40	.40	.387
		25.9	-2238.44	-8576.57	69.34	-.33	-41.73	270.98	-8.91	-3.57		.39	.39	.444
		34.5	-2244.76	-12836.90	103.47	-.33	-40.68	270.98	-8.93	-5.35		.33	.33	.499
1001-1002	100- 1	0.0	142.53	-50.10	240.46	.75	.44	120.47	5.19	2.10		.61	.61	.253
		7.1	142.53	-16.66	169.64	.90	.29	120.47	5.19	1.46		.62	.62	.231
		14.3	142.53	.13	86.60	1.04	.15	120.47	5.19	.74		.63	.63	.206
		21.4	142.53	6.65	-4.69	1.18	.01	120.47	5.19	.09		.63	.63	.183
		28.5	142.53	1.39	-116.20	1.33	-.14	120.47	5.19	.99		.65	.65	.215
1001-1004	100- 1	0.0	137.13	-380.74	303.15	1.01	2.20	50.06	4.99	4.16		.42	.42	.318
		7.1	137.13	-193.00	213.29	1.09	2.12	50.06	4.99	2.46		.41	.41	.259
		14.3	137.10	-17.49	115.40	1.19	1.96	50.06	4.99	1.00		.41	.41	.208
		21.4	137.08	145.74	8.92	1.30	1.83	50.06	4.99	1.25		.40	.40	.217
		28.5	137.09	295.61	-109.40	1.45	1.69	50.06	4.99	2.70		.40	.40	.257
1002-1003	100- 1	0.0	140.75	.55	-77.65	-1.07	.12	-89.65	5.12	.66		.45	.45	.201
		7.1	140.75	4.39	8.27	-.93	-.03	-89.65	5.12	.08		.45	.45	.181
		14.3	140.75	-4.05	81.95	-.79	-.17	-89.65	5.12	.70		.44	.44	.202
		21.4	140.75	-24.69	143.39	-.65	-.31	-89.65	5.12	1.24		.44	.44	.221
		28.5	140.75	-57.59	192.61	-.50	-.46	-89.65	5.12	1.72		.43	.43	.237
1003-1004	140- 1	0.0	-6.51	-157.77	-2.43	.04	.84	15.95	-.55	-5.28		.41	.41	.209
		7.1	-6.48	-96.15	-3.27	-.02	.84	15.95	-.54	-2.88		.41	.41	.120
		14.3	-6.44	-14.53	1.19	-.08	.84	15.95	-.54	-.49		.41	.41	.042
		21.4	-6.41	57.09	10.95	-.14	.84	15.95	-.54	-1.94		.41	.41	.093
		28.5	-6.37	128.71	26.01	-.21	.84	15.95	-.53	-4.39		.41	.41	.178

STRAN MEMBER DETAIL REPORT

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LOAD CONDITION NO. 7 DATE 08/30/76

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z -------KSI-------	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
1002-1005	140- 1	0.0	-6.16	-145.03	3.02	-.05	.79	-18.57	-.52	-4.85		.44	.44	.193
		7.1	-6.12	-77.04	4.73	.01	.79	-18.57	-.51	-2.58		.44	.44	.114
		14.3	-6.09	-9.04	1.14	.07	.79	-18.57	-.51	-.30		.44	.44	.035
		21.4	-6.05	58.95	-7.75	.13	.79	-18.57	-.51	-1.99		.45	.45	.093
		28.6	-6.02	126.94	-21.93	.20	.79	-18.57	-.51	-4.31		.45	.45	.173
1003-1005	180- 1	0.0	129.90	-390.45	-281.76	-1.00	2.06	-73.13	4.73	4.11		.43	.43	.307
		7.1	129.90	-220.11	-192.62	-1.09	1.92	-73.15	4.73	2.50		.47	.47	.251
		14.3	129.87	-62.01	-95.45	-1.18	1.77	-73.15	4.72	.97		.47	.47	.198
		21.4	129.85	83.85	10.31	-1.29	1.63	-73.15	4.72	.72		.46	.46	.189
		28.6	129.86	217.47	127.91	-1.45	1.49	-73.15	4.72	2.16		.46	.46	.239
1004-1005	140- 1	0.0	13.32	32.51	-27.91	-.31	-.04	2.49	1.12	1.43		.09	.09	.089
		7.1	13.32	29.03	-7.29	-.17	-.04	2.49	1.12	1.00		.07	.07	.074
		14.3	13.32	25.56	1.06	-.03	-.04	2.49	1.12	.85		.05	.05	.069
		21.4	13.32	22.09	-2.85	.12	-.04	2.49	1.12	.74		.06	.06	.065
		28.6	13.32	18.61	-19.02	.26	-.04	2.49	1.12	.89		.09	.09	.070
1004-1006	180- 1	0.0	-251.53	-300.66	.32	.01	2.46	-54.22	-9.15	-2.57		.41	.41	.597
		7.1	-251.52	-95.60	-6.97	.16	2.32	-54.22	-9.15	-.82		.40	.40	.515
		14.3	-251.51	97.21	-27.91	.32	2.18	-54.22	-9.15	-.86		.39	.39	.517
		21.4	-251.50	277.78	-62.51	.48	2.04	-54.22	-9.15	-2.43		.38	.38	.589
		28.6	-251.49	446.11	-110.76	.64	1.89	-54.22	-9.15	-3.93		.38	.38	.656
1005-1006	180- 1	0.0	-256.98	-377.90	2.54	.17	2.70	35.41	-9.35	-3.23		.35	.35	.659
		7.1	-256.97	-152.78	-5.30	.01	2.56	35.41	-9.35	-1.31		.34	.34	.549
		14.3	-256.96	60.09	.52	-.15	2.41	35.41	-9.35	-.51		.33	.33	.512
		21.4	-256.95	260.72	19.99	-.31	2.27	35.41	-9.35	-2.23		.32	.32	.593
		28.6	-256.94	449.11	53.11	-.47	2.13	35.41	-9.35	-3.86		.31	.31	.668

STRAND MEMBER DETAIL REPORT

LOAD CONDITION NO. 6

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
101- 102	W18- 1	0.0	-4.82	433.26	-103.77	-.66	-7.15	.01	-.30	4.86	-9.68	.10	1.11	.502
		3.6	-4.82	157.49	-66.15	-.66	-5.43	.01	-.30	1.79	-6.17	.10	.84	.283
		7.3	-4.82	-39.37	-28.52	-.66	-3.71	.01	-.30	-.44	-2.66	.10	.58	.119
		10.9	-4.82	-163.34	9.10	-.66	-1.99	.01	-.30	-1.83	.85	.10	.31	.100
		14.5	-4.82	-212.40	45.73	-.66	-.27	.01	-.30	-2.38	4.36	.10	.04	.239
101- 104	W18- 1	0.0	-6.34	433.19	-98.83	-.78	-7.37	-.01	-.39	4.86	-9.22	.09	1.14	.490
		3.6	-6.34	150.16	-65.10	-.78	-5.65	-.01	-.39	1.69	-6.07	.09	.88	.281
		7.2	-6.34	-58.04	-31.37	-.78	-3.93	-.01	-.39	-.65	-2.93	.07	.61	.139
		10.9	-6.34	-191.40	2.36	-.78	-2.21	-.01	-.39	-2.15	.22	.09	.34	.092
		14.5	-6.34	-249.45	36.09	-.78	-.49	-.01	-.39	-2.80	3.37	.09	.08	.222
101- 201	DKL- 1	0.0	-19.52	-375.10	649.96	8.66	4.24	-202.61	-.21	-1.17		.37	.37	.049
		3.8	-20.69	-184.35	260.14	8.66	4.24	-202.61	-.23	-.50		.37	.37	.025
		7.5	-21.85	6.39	-129.68	8.66	4.24	-202.61	-.24	-.20		.37	.37	.016
		11.3	-23.01	197.13	-519.51	8.66	4.24	-202.61	-.25	-.87		.37	.37	.039
		15.0	-24.17	387.88	-909.33	8.66	4.24	-202.61	-.27	-1.55		.37	.37	.063
102- 103	W18- 1	0.0	-5.13	-210.56	40.33	.65	.09	-.02	-.32	-2.36	3.77	.03	.01	.219
		3.6	-5.13	-167.04	12.21	.65	1.82	-.02	-.32	-1.90	1.14	.03	.28	.113
		7.3	-5.13	-52.61	-15.90	.65	3.54	-.02	-.32	-.59	-1.49	.03	.55	.034
		10.9	-5.13	130.72	-44.13	.65	5.26	-.02	-.32	1.56	-4.12	.03	.82	.205
		14.5	-5.13	404.95	-72.29	.65	6.98	-.02	-.32	4.54	-5.74	.03	1.09	.391
102- 104	W06- 1	0.0	.58	1.65	7.03	.10	-.17	.00	.08	.09	1.26	.02	.09	.049
		3.6	.58	-3.79	2.86	.10	-.09	.00	.08	-.18	.51	.02	.05	.027
		7.2	.58	-5.65	-1.28	.10	.00	.00	.08	-.27	-.23	.02	.00	.019
		10.9	.58	-3.73	-5.44	.10	.09	.00	.08	-.18	-.97	.02	.05	.042
		14.5	.58	1.97	-9.60	.10	.17	.00	.08	.09	-1.71	.02	.09	.065
102- 105	W06- 1	0.0	1.09	-1.82	-.68	-.04	-.19	-.00	.15	-.09	-.12	.01	.10	.012
		3.6	1.09	-8.07	.86	-.04	-.10	-.00	.15	-.39	.16	.01	.05	.023
		7.2	1.09	-10.55	2.45	-.04	-.01	-.00	.15	-.51	.44	.01	.01	.037
		10.9	1.09	-9.24	4.01	-.04	.07	-.00	.15	-.44	.72	.01	.04	.044
		14.5	1.09	-4.15	5.58	-.04	.16	-.00	.15	-.20	1.00	.01	.08	.046
103- 105	W18- 1	0.0	-9.75	374.21	62.50	.47	-6.80	.03	-.60	4.20	5.63	.06	1.06	.360
		3.6	-9.75	116.15	41.93	.47	-5.07	.03	-.60	1.30	3.91	.05	.79	.202
		7.2	-9.75	-67.07	21.37	.47	-3.35	.03	-.60	-.75	1.99	.06	.52	.113
		10.9	-9.75	-175.45	.81	.47	-1.63	.03	-.60	-1.97	.08	.06	.25	.090
		14.5	-9.75	-209.00	-19.76	.47	.09	.03	-.60	-2.35	-1.84	.06	.01	.163
103- 203	DKL- 1	0.0	-18.78	-324.03	-592.16	-10.41	7.55	134.79	-.21	-1.06		.39	.39	.044
		3.8	-19.94	15.94	-123.70	-10.41	7.55	134.79	-.22	-.20		.39	.39	.015
		7.5	-21.10	355.92	344.75	-10.41	7.55	134.79	-.23	-.78		.39	.39	.035
		11.3	-22.26	695.89	813.21	-10.41	7.55	134.79	-.24	-1.67		.39	.39	.067
		15.0	-23.43	1035.86	1281.67	-10.41	7.55	134.79	-.25	-2.58		.39	.39	.099

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
104- 105	W08- 1	0.0	-1.69	-2.02	4.54	.01	-.14	-.01	-.24	-.10	.81	.00	.07	.047
		3.6	-1.69	-6.17	4.13	.01	-.05	-.01	-.24	-.30	.74	.00	.03	.050
		7.3	-1.69	-6.54	3.73	.01	.04	-.01	-.24	-.31	.67	.00	.02	.048
		10.9	-1.69	-3.12	3.32	.01	.12	-.01	-.24	-.15	.59	.00	.07	.040
		14.5	-1.69	4.09	2.92	.01	.21	-.01	-.24	.20	.52	.00	.11	.039
104- 106	W18- 1	0.0	-5.12	-247.92	21.96	.22	-.17	.03	-.32	-2.70	2.05	.03	.03	.172
		3.6	-5.12	-217.96	12.21	.22	1.55	.03	-.32	-2.45	1.14	.03	.24	.130
		7.3	-5.12	-113.06	2.45	.22	3.27	.03	-.32	-1.27	.23	.03	.51	.061
		10.9	-5.12	66.76	-7.30	.22	4.99	.03	-.32	.75	-.68	.03	.78	.061
		14.5	-5.12	327.64	-17.05	.22	11.72	.03	-.32	3.68	-1.59	.03	1.82	.185
105- 106	W18- 1	0.0	-8.35	-213.12	-11.26	-.06	.40	.02	-.51	-2.39	-1.05	.01	.07	.134
		3.6	-8.35	-155.72	-8.52	-.06	2.16	.02	-.51	-1.75	-.79	.01	.34	.104
		7.3	-8.35	-23.39	-5.78	-.06	3.90	.02	-.51	-.26	-.54	.01	.61	.049
		10.9	-8.35	183.66	-3.04	-.06	5.62	.02	-.51	2.06	-.28	.01	.87	.097
		14.5	-8.35	466.04	-.30	-.06	7.35	.02	-.51	5.23	-.03	.01	1.14	.183
105- 205	DRL- 1	0.0	-24.83	655.59	-36.45	5.21	-5.05	-107.95	-.27	-1.03		.22	.22	.046
		3.8	-25.99	519.35	-270.97	5.21	-5.05	-107.95	-.29	-.92		.22	.22	.042
		7.5	-27.15	383.11	-505.40	5.21	-5.05	-107.95	-.30	-.99		.22	.22	.045
		11.3	-28.32	246.88	-739.99	5.21	-5.05	-107.95	-.31	-1.22		.22	.22	.054
		15.0	-29.48	110.64	-974.51	5.21	-5.05	-107.95	-.32	-1.53		.22	.22	.065
201- 202	W18- 1	0.0	-26.80	617.11	-111.85	-.95	-10.34	.05	-1.65	6.93	-10.43	.11	1.61	.651
		3.6	-26.80	221.41	-70.72	-.95	-7.86	.05	-1.65	2.48	-6.60	.11	1.22	.377
		7.3	-26.80	-66.25	-29.61	-.95	-5.37	.05	-1.65	-.74	-2.76	.11	.84	.189
		10.9	-26.80	-245.94	11.51	-.95	-2.89	.05	-1.65	-2.76	1.07	.11	.45	.194
		14.5	-26.80	-317.60	52.62	-.95	-.41	.05	-1.65	-3.56	4.91	.11	.06	.352
201- 204	W18- 1	0.0	63.82	546.91	-105.86	-.85	-9.91	-.07	3.94	6.14	-9.87	.10	1.54	.674
		3.6	63.82	170.11	-68.82	-.85	-7.42	-.07	3.94	1.91	-6.42	.10	1.15	.420
		7.2	63.82	-98.76	-31.79	-.85	-4.94	-.07	3.94	-1.11	-2.97	.10	.77	.275
		10.9	63.82	-259.72	5.25	-.85	-2.46	-.07	3.94	-2.91	.49	.10	.38	.246
		14.5	63.82	-312.75	42.29	-.85	.02	-.07	3.94	-3.51	3.94	.10	.01	.305
201- 301	DRL- 1	0.0	-43.74	-310.06	-2.81	-2.32	-57.14	-594.69	-.54	-.49		1.72	1.72	.036
		3.8	-50.11	-2082.27	101.56	-2.32	-57.14	-594.69	-.55	-4.51		1.72	1.72	.177
		7.5	-51.27	-5453.11	205.94	-2.32	-56.79	-594.69	-.56	-8.54		1.71	1.71	.317
		11.3	-52.43	-7676.96	310.31	-2.32	-50.64	-594.69	-.58	-12.33		1.53	1.53	.449
		15.0	-52.56	-9980.09	414.69	-2.32	-42.95	-594.69	-.58	-15.64		1.41	1.41	.564
201- 303	120- 1	0.0	4.24	105.08	205.87	4.02	-1.37	2.13	.22	4.08		.46	.46	.149
		8.2	4.00	-6.24	-187.43	4.02	-.90	2.13	.21	3.31		.45	.45	.122
		16.3	3.75	-71.17	-578.71	3.44	-.36	2.13	.20	10.28		.38	.38	.364
		24.5	3.51	-30.99	-445.00	-6.84	1.24	2.13	.18	7.87		.74	.74	.280
		32.6	3.40	165.57	848.87	-19.85	2.75	2.13	.18	15.25		2.10	2.10	.536

S T R A N M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 6

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
202- 203	A10- 1	0.0	-27.20	-329.45	44.66	.71	.03	-.03	-1.68	-3.70	4.17	.08	.01	.332
		3.5	-27.20	-274.19	13.96	.71	2.51	-.03	-1.68	-3.08	1.30	.08	.39	.213
		7.3	-27.20	-110.91	-16.70	.71	5.00	-.03	-1.68	-1.24	-1.56	.08	.78	.164
		10.9	-27.20	160.39	-47.39	.71	7.46	-.03	-1.68	1.80	-4.42	.08	1.16	.281
		14.5	-27.20	539.70	-78.07	.71	9.90	-.03	-1.68	6.06	-7.28	.03	1.55	.515
202- 204	A08- 1	0.0	.58	-11.78	8.37	.11	-.18	.00	.08	-.57	1.50	.02	.09	.073
		3.5	.58	-17.54	3.70	.11	-.09	.00	.08	-.84	.66	.02	.05	.052
		7.2	.58	-19.52	-.98	.11	-.00	.00	.08	-.94	-.18	.02	.00	.037
		10.9	.58	-17.72	-5.66	.11	.06	.00	.08	-.85	-1.01	.02	.04	.065
		14.5	.58	-12.14	-10.34	.11	.17	.00	.08	-.58	-1.85	.02	.09	.085
202- 205	A08- 1	0.0	1.24	11.69	-.41	-.04	-.26	-.02	.18	.57	-.07	.01	.13	.028
		3.6	1.24	2.54	1.45	-.04	-.17	-.02	.18	.12	.25	.01	.09	.019
		7.2	1.24	-3.04	3.27	-.04	-.06	-.02	.18	-.15	.58	.01	.05	.031
		10.9	1.24	-4.63	5.12	-.04	.00	-.02	.18	-.23	.91	.01	.01	.045
		14.5	1.24	-2.83	6.96	-.04	.09	-.02	.18	-.14	1.24	.02	.06	.054
203- 205	A10- 1	0.0	-35.36	1269.07	67.01	.50	-23.41	-.07	-2.15	14.24	6.25	.06	3.63	.759
		3.5	-35.36	381.65	45.48	.50	-17.41	-.07	-2.18	4.28	4.24	.05	2.70	.374
		7.2	-35.36	-245.03	23.94	.50	-11.41	-.07	-2.18	-2.75	2.23	.05	1.77	.255
		10.9	-35.36	-610.96	2.41	.50	-5.42	-.07	-2.18	-6.85	.22	.05	.84	.316
		14.5	-35.36	-716.15	-19.13	.50	.58	-.07	-2.18	-8.04	-1.78	.05	.09	.407
203- 303	DXL- 1	0.0	-124.82	-184.20	-105.90	2.12	-64.19	487.71	-1.37	-.33		1.79	1.79	.061
		3.8	-125.98	-3072.65	-201.16	2.12	-64.19	487.71	-1.38	-4.82		1.79	1.79	.217
		7.5	-127.15	-5960.53	-296.45	2.12	-63.84	487.71	-1.40	-9.34		1.78	1.78	.375
		11.3	-128.31	-8703.45	-391.72	2.12	-57.66	487.71	-1.41	-13.63		1.65	1.65	.524
		15.0	-128.44	-11129.61	-487.09	2.12	-50.00	487.71	-1.41	-17.43		1.48	1.48	.656
203- 306	120- 1	0.0	132.65	211.44	241.57	.02	-2.34	14.04	6.89	5.66		.38	.38	.436
		8.2	132.40	5.40	180.55	.02	-1.87	14.04	6.88	3.18		.33	.33	.350
		16.3	132.16	-154.50	119.52	.02	-1.40	14.04	6.87	3.44		.29	.29	.358
		24.5	131.92	-260.49	53.00	1.28	.01	14.04	6.86	4.69		.26	.26	.401
		32.6	131.84	7.85	-242.59	4.58	5.35	14.04	6.85	4.28		.06	.06	.307
204- 205	A06- 1	0.0	-1.81	12.19	3.59	-.01	-.23	.01	-.26	.59	.64	.00	.12	.058
		3.6	-1.81	4.05	3.92	-.01	-.14	.01	-.26	.19	.70	.00	.08	.047
		7.3	-1.81	-.30	4.25	-.01	-.06	.01	-.26	-.01	.76	.01	.04	.043
		10.9	-1.81	-.86	4.58	-.01	.03	.01	-.26	-.04	.82	.01	.02	.046
		14.5	-1.81	2.36	4.91	-.01	.12	.01	-.26	.11	.88	.01	.07	.050
204- 206	A10- 1	0.0	65.10	-324.93	28.36	.30	.42	.08	4.02	-3.65	2.65	.03	.07	.347
		3.5	65.10	-252.48	15.36	.30	2.91	.08	4.02	-2.83	1.43	.04	.45	.279
		7.3	65.10	-71.98	2.36	.30	5.39	.08	4.02	-.81	.22	.04	.84	.173
		10.9	65.10	216.56	-10.64	.30	7.87	.08	4.02	2.43	-.99	.04	1.22	.251
		14.5	65.10	619.30	-23.64	.30	15.36	.08	4.02	6.95	-2.21	.04	2.39	.436

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
205- 206	W16- 1	0.0	-33.79	-718.75	-7.25	-.00	.79	.08	-2.09	-8.07	-.68	.00	.12	.366
		3.6	-33.79	-554.04	-7.14	-.00	6.79	.08	-2.09	-6.22	-.67	.00	1.06	.307
		7.3	-33.79	-126.28	-7.03	-.00	12.79	.08	-2.09	-1.44	-.66	.00	1.99	.156
		10.9	-33.79	558.54	-6.92	-.00	18.79	.08	-2.09	6.27	-.65	.00	2.92	.300
		14.5	-33.79	1506.41	-6.81	-.00	24.79	.08	-2.09	16.90	-.64	.00	3.85	.643
206- 301	120- 1	0.0	-143.61	-143.71	-382.00	-3.40	.74	-13.99	-7.45	-7.20		.48	.48	.697
		8.2	-143.85	-48.65	-49.46	-3.40	1.21	-13.99	-7.48	-1.22		.50	.50	.445
		16.3	-144.09	92.56	283.07	-3.40	1.68	-13.99	-7.49	-5.25		.52	.52	.618
		24.5	-144.34	241.10	476.15	1.76	.62	-13.99	-7.50	-9.41		.32	.32	.788
		32.6	-144.45	119.06	-191.29	12.06	-3.45	-13.99	-7.51	-3.97		1.43	1.43	.561
205- 305	DXL- 1	0.0	-2.79	1755.22	-621.77	-11.65	-84.53	-410.35	-.03	-2.08		2.19	2.19	.101
		3.8	-4.15	-2070.49	-97.45	-11.65	-84.55	-410.35	-.05	-3.24		2.19	2.19	.114
		7.5	-5.31	-5674.21	426.92	-11.65	-84.55	-410.35	-.06	-9.21		2.19	2.19	.322
		11.3	-6.47	-9677.92	951.26	-11.65	-84.55	-410.35	-.07	-15.21		2.19	2.19	.531
		15.0	-6.60	-13467.52	1475.60	-11.65	-85.25	-410.35	-.07	-21.19		2.17	2.17	.739
301- 303	123- 1	0.0	5.04	136.44	767.09	19.21	-2.22	-4.86	.26	14.09		2.05	2.05	.499
		7.3	5.04	-7.94	-449.14	9.21	-1.14	-4.86	.26	7.92		1.01	1.01	.284
		14.5	5.04	-60.33	-814.93	-.80	-.06	-4.86	.26	14.41		.13	.13	.510
		21.7	5.04	-16.74	-510.26	-10.80	1.02	-4.86	.26	5.48		1.17	1.17	.199
		29.0	5.04	116.65	1064.60	-20.81	2.10	-4.86	.26	18.89		2.22	2.22	.665
301- 306	123- 1	0.0	101.22	736.69	29.45	7.65	-6.20	2.95	5.26	13.04		1.05	1.05	.635
		7.2	101.21	251.42	-412.65	2.48	-4.94	2.95	5.26	9.52		.60	.60	.479
		14.5	101.19	-112.69	-404.96	-2.58	-3.39	2.95	5.26	7.41		.47	.47	.440
		21.7	101.20	-332.70	10.83	-6.60	-1.64	2.95	5.26	5.87		.75	.75	.387
		29.0	101.22	-391.67	743.37	-9.80	.32	2.95	5.26	14.82		1.05	1.05	.697
301- 401	DXL- 1	0.0	-110.60	-12561.65	1368.31	9.07	47.56	2215.71	-1.21	-19.77		2.80	2.80	.733
		7.1	-110.57	-7793.00	612.97	9.07	64.45	2215.71	-1.21	-12.25		3.16	3.16	.471
		14.2	-110.54	-1517.37	-162.36	9.07	82.34	2215.71	-1.21	-2.39		3.55	3.55	.127
		21.4	-110.51	6253.69	-937.70	9.07	98.88	2215.71	-1.21	-9.89		3.91	3.91	.379
		28.5	-110.49	15269.19	-1713.05	9.07	111.43	2215.71	-1.21	-24.04		4.19	4.19	.881
303- 306	123- 1	0.0	-55.18	723.22	-141.65	-6.07	-6.01	12.41	-2.87	-12.99		1.15	1.15	.573
		7.2	-55.17	252.74	337.09	-2.90	-4.75	12.41	-2.87	-7.43		.69	.69	.384
		14.5	-55.20	-94.59	366.07	2.16	-3.20	12.41	-2.87	-6.67		.51	.51	.358
		21.7	-55.20	-297.81	-13.06	6.38	-1.45	12.41	-2.87	-5.26		.79	.79	.309
		29.0	-55.18	-340.20	-708.95	9.38	.51	12.41	-2.87	-13.87		1.09	1.09	.600
303- 403	DXL- 1	0.0	-137.39	-11362.66	-1141.81	-9.11	42.48	-1471.74	-1.51	-17.86		2.10	2.10	.678
		7.1	-137.36	-7028.32	-362.53	-9.11	59.35	-1471.74	-1.51	-11.01		2.47	2.47	.440
		14.2	-137.34	-1186.99	416.75	-9.11	77.26	-1471.74	-1.51	-1.97		2.86	2.86	.126
		21.4	-137.31	6149.78	1196.03	-9.11	95.80	-1471.74	-1.51	-9.80		3.22	3.22	.398
		28.5	-137.28	14750.97	1975.31	-9.11	106.35	-1471.74	-1.51	-23.25		3.49	3.49	.865

LOAD CONDITION NO. 3

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
306- 406	DRL- 1	0.0	48.41	-14050.17	1433.41	10.38	72.03	-222.58	.53	22.09		1.77	1.77	.786
		7.1	48.44	-7579.04	546.17	10.38	80.24	-222.58	.53	11.89		1.95	1.95	.431
		14.2	48.47	-232.74	-341.00	10.38	91.97	-222.58	.53	.65		2.21	2.21	.041
		21.3	48.49	8172.35	-1228.30	10.38	104.52	-222.58	.53	12.93		2.48	2.48	.467
		28.5	48.52	17513.70	-2115.53	10.38	115.73	-222.58	.53	27.60		2.68	2.68	.977
401- 501	JL4- 1	0.0	950.61	-5939.32	-16844.43	92.14	-30.01	-162.94	3.74	6.30		.79	.79	.349
		1.1	949.77	-6557.71	-18126.65	94.61	-31.12	-162.94	3.74	6.77		.81	.81	.365
		2.3	948.92	-6791.10	-19438.13	97.00	-32.20	-162.94	3.73	7.26		.83	.83	.382
		3.4	948.07	-7239.00	-20781.95	99.35	-33.24	-162.94	3.73	7.76		.85	.85	.399
		4.6	947.23	-7700.98	-22157.46	101.62	-34.25	-162.94	3.73	8.27		.87	.87	.417
401- 510	PI- 1	0.0	-1070.80	-5632.61	307.26	6.21	-19.22	-358.23	-4.84	-2.64		.27	.27	.260
		1.1	-1071.54	-5895.56	222.13	6.21	-19.09	-358.23	-4.84	-2.76		.27	.27	.264
		2.3	-1072.27	-6156.02	137.01	6.21	-18.97	-358.23	-4.85	-2.88		.26	.26	.268
		3.4	-1073.01	-6415.99	51.88	6.21	-18.85	-358.23	-4.85	-3.00		.26	.26	.273
		4.6	-1073.75	-6675.08	-33.24	6.21	-18.72	-358.23	-4.85	-3.12		.26	.26	.277
403- 503	JL4- 1	0.0	930.25	-6288.59	18313.14	-111.25	-49.87	-707.17	3.65	6.83		1.08	1.08	.364
		1.1	929.39	-6976.80	19852.85	-113.72	-50.98	-707.17	3.65	7.42		1.10	1.10	.385
		2.3	928.54	-7684.02	21425.77	-116.10	-52.05	-707.17	3.65	8.02		1.13	1.13	.405
		3.4	927.69	-8403.75	23031.06	-118.45	-53.10	-707.17	3.65	8.64		1.15	1.15	.427
		4.6	926.85	-9137.55	24668.03	-120.73	-54.11	-707.17	3.65	9.27		1.17	1.17	.449
403- 511	PI- 1	0.0	-1100.05	-6204.94	-.93	-5.73	-19.08	-37.74	-4.97	-2.90		.19	.19	.273
		1.1	-1100.78	-6465.87	77.73	-5.73	-18.96	-37.74	-4.97	-3.02		.19	.19	.278
		2.3	-1101.52	-6725.12	156.39	-5.73	-18.84	-37.74	-4.98	-3.15		.19	.19	.282
		3.4	-1102.26	-6982.67	235.05	-5.73	-18.71	-37.74	-4.98	-3.27		.19	.19	.286
		4.6	-1102.99	-7238.54	313.70	-5.73	-18.59	-37.74	-4.98	-3.39		.18	.18	.291
404- 506	JL4- 1	0.0	-1873.55	11124.01	-1653.90	11.04	80.84	-340.19	-7.37	-3.96		.70	.70	.394
		1.1	-1874.40	12244.76	-1805.04	11.04	82.93	-340.19	-7.37	-4.36		.72	.72	.408
		2.3	-1875.24	13393.71	-1956.18	11.04	84.96	-340.19	-7.37	-4.77		.73	.73	.422
		3.4	-1876.09	14559.92	-2107.32	11.04	86.92	-340.19	-7.38	-5.19		.75	.75	.436
		4.6	-1876.93	15772.65	-2258.46	11.04	88.83	-340.19	-7.38	-5.62		.76	.76	.451
405- 512	PI- 1	0.0	1941.39	11119.20	-396.33	-.67	31.76	-227.01	8.77	5.20		.34	.34	.485
		1.1	1940.65	11555.59	-387.20	-.67	31.88	-227.01	8.77	5.41		.34	.34	.492
		2.3	1939.91	11993.67	-378.06	-.67	32.00	-227.01	8.77	5.61		.34	.34	.499
		3.4	1939.17	12433.45	-368.92	-.67	32.12	-227.01	8.76	5.82		.34	.34	.506
		4.6	1938.44	12874.07	-359.78	-.67	32.25	-227.01	8.76	6.02		.34	.34	.513
501- 502	165- 1	0.0	-168.97	268.95	-516.68	-.09	-3.35	160.04	-6.26	-5.22		.94	.94	.420
		3.8	-168.97	125.43	-425.26	-3.34	-2.96	160.04	-6.26	-3.97		1.01	1.01	.381
		7.6	-168.97	-.35	-213.34	-5.99	-2.57	160.04	-6.26	-1.91		1.15	1.15	.318
		11.4	-168.97	-106.41	119.07	-8.64	-2.18	160.04	-6.26	-1.44		1.31	1.31	.305
		15.1	-168.97	-196.73	571.99	-11.29	-1.79	160.04	-6.26	-5.42		1.47	1.47	.425

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	165- 1	0.0	321.98	1242.96	-614.49	-3.92	-7.85	72.45	10.67	12.41		.90	.90	.802
		3.8	321.97	896.03	-406.66	-5.23	-7.44	72.45	10.67	8.81		.93	.93	.676
		7.6	321.96	567.42	-139.55	-6.53	-7.02	72.45	10.66	5.23		.96	.96	.552
		11.4	321.95	258.17	186.85	-7.83	-6.59	72.45	10.66	2.85		1.00	1.00	.469
		15.1	321.96	-31.64	571.81	-9.10	-6.16	72.45	10.66	5.13		1.05	1.05	.548
501- 601	JL5- 1	0.0	917.64	-6003.02	-20422.80	-126.54	25.59	81.03	6.35	13.08		1.84	1.84	.675
		1.5	916.66	-5548.05	-18104.15	-125.63	24.29	81.08	6.34	11.64		1.80	1.80	.624
		3.0	915.71	-5110.39	-15837.75	-122.61	23.04	81.08	6.34	10.23		1.75	1.75	.575
		4.6	914.75	-4707.08	-13621.67	-120.11	21.84	81.08	6.33	8.86		1.71	1.71	.527
		6.1	913.79	-4319.25	-11454.16	-117.49	20.68	81.08	6.32	7.52		1.68	1.68	.481
501- 532	210- 1	0.0	9.25	164.92	1655.28	16.05	-2.00	272.86	.20	7.91		1.45	1.45	.202
		5.1	9.22	58.47	691.49	13.75	-1.51	272.86	.20	3.30		1.26	1.26	.122
		10.1	9.17	-19.34	-19.46	9.72	-1.06	272.86	.20	.13		1.08	1.08	.012
		15.2	9.12	-70.56	-493.75	5.93	-.62	272.86	.20	2.37		.91	.91	.089
		20.2	9.08	-95.07	-745.41	2.39	-.19	272.86	.20	3.57		.75	.75	.131
502- 503	165- 1	0.0	-193.93	-200.34	538.86	11.00	.90	-130.39	-6.42	-5.15		1.31	1.31	.424
		3.8	-193.93	-150.54	99.17	8.35	1.29	-130.39	-6.42	-1.61		1.14	1.14	.319
		7.6	-193.93	-83.01	-220.02	5.70	1.68	-130.39	-6.42	-2.11		.98	.98	.331
		11.4	-193.93	2.25	-418.71	3.05	2.07	-130.39	-6.42	-3.75		.83	.83	.380
		15.1	-193.93	105.24	-496.90	.39	2.46	-130.39	-6.42	-4.55		.75	.75	.405
502- 504	125- 1	0.0	8.74	135.66	-8.94	-1.34	-1.30	-49.95	.73	4.55		1.15	1.15	.183
		3.8	8.75	80.10	31.80	-.45	-1.15	-49.95	.74	2.88		1.04	1.04	.126
		7.6	8.77	31.42	32.40	.43	-1.00	-49.95	.74	1.51		1.02	1.02	.078
		11.4	8.75	-10.29	-6.73	1.29	-.85	-49.95	.73	.41		1.09	1.09	.040
		15.2	8.74	-43.98	-85.01	2.14	-.65	-49.95	.73	3.20		1.21	1.21	.137
502- 505	125- 1	0.0	18.56	141.24	42.06	1.38	-1.39	51.32	1.56	4.93		1.19	1.19	.225
		3.8	18.59	81.23	-.72	.50	-1.24	51.32	1.56	2.72		1.08	1.08	.149
		7.6	18.60	26.21	-3.37	-.38	-1.09	51.32	1.56	.95		1.05	1.05	.087
		11.4	18.59	-17.89	35.72	-1.25	-.93	51.32	1.56	1.28		1.12	1.12	.099
		15.2	18.56	-55.98	109.95	-2.10	-.74	51.32	1.56	4.13		1.23	1.23	.197
503- 505	165- 1	0.0	-158.86	1112.94	574.00	1.62	-7.21	-96.74	-5.26	-11.21		.93	.93	.573
		3.8	-158.87	793.96	470.49	2.93	-6.82	-96.74	-5.26	-8.26		.93	.93	.479
		7.6	-158.88	493.30	307.65	4.24	-6.40	-96.74	-5.26	-5.21		.95	.95	.302
		11.4	-158.88	212.01	85.54	5.53	-5.98	-96.74	-5.26	-2.05		.98	.98	.204
		15.1	-158.87	-49.04	-194.93	6.81	-5.55	-96.74	-5.26	-1.80		1.02	1.02	.273
503- 603	JL5- 1	0.0	560.80	-6626.55	22360.96	136.65	31.32	-160.21	3.88	14.37		1.99	1.99	.634
		1.5	559.83	-6267.11	19894.36	133.74	30.01	-160.21	3.87	12.82		1.95	1.95	.580
		3.0	558.87	-5731.00	17480.02	130.92	28.76	-160.21	3.87	11.30		1.90	1.90	.527
		4.6	557.91	-5217.24	15116.00	128.22	27.56	-160.21	3.86	9.83		1.86	1.86	.475
		6.1	556.95	-4724.96	12800.54	125.60	26.41	-160.21	3.85	8.38		1.83	1.83	.425

LOAD CONDITION NO. 8

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
503- 655	210- 1	0.0	501.75	1925.96	-255.65	-6.16	-14.73	-171.14	12.83	9.22		1.11	1.11	.766
		5.1	501.73	1118.70	59.43	-4.25	-11.82	-171.14	12.83	5.32		.96	.96	.630
		10.1	501.69	484.50	205.29	-2.49	-9.09	-171.14	12.82	2.62		.82	.82	.536
		15.2	501.64	10.69	364.16	-.05	-6.54	-171.14	12.82	1.73		.70	.70	.506
		20.2	501.60	-515.25	370.19	.63	-4.16	-171.14	12.82	2.30		.59	.59	.525
504- 505	125- 1	0.0	-27.04	-55.11	75.26	2.91	-.47	-1.54	-2.27	-3.12		.52	.52	.197
		3.8	-27.04	-72.24	-18.39	1.21	-.26	-1.54	-2.27	-2.49		.23	.23	.175
		7.6	-27.04	-80.74	-34.47	-.50	-.09	-1.54	-2.27	-2.94		.11	.11	.191
		11.4	-27.04	-80.65	26.90	-2.20	.10	-1.54	-2.27	-2.84		.40	.40	.187
		15.2	-27.04	-71.94	165.75	-3.91	.29	-1.54	-2.27	-6.04		.68	.68	.298
504- 506	165- 1	0.0	344.23	15.55	411.34	6.16	-6.34	-37.56	11.40	3.69		.75	.75	.524
		3.8	344.23	-259.08	159.56	4.92	-5.91	-37.56	11.40	2.73		.68	.68	.491
		7.6	344.22	-518.04	-56.46	3.71	-5.48	-37.56	11.40	4.66		.61	.61	.550
		11.4	344.20	-758.26	-174.21	2.54	-5.05	-37.56	11.40	6.97		.54	.54	.638
		15.2	344.21	-977.09	-267.86	1.41	-4.56	-37.56	11.40	9.07		.49	.49	.711
505- 505	165- 1	0.0	-130.87	1.25	80.77	.31	-6.01	33.48	-4.34	-.72		.57	.57	.202
		3.8	-130.87	-262.01	58.37	1.55	-5.58	33.48	-4.34	-2.37		.56	.56	.255
		7.6	-130.86	-505.01	-59.77	2.77	-5.15	33.48	-4.34	-4.56		.56	.56	.324
		11.4	-130.89	-730.08	-212.20	3.93	-4.71	33.48	-4.34	-6.81		.58	.58	.394
		15.2	-130.89	-933.76	-416.70	5.06	-4.25	33.48	-4.34	-9.16		.61	.61	.469
505- 606	JL5- 1	0.0	-1555.90	12545.52	-2020.27	-6.18	-66.31	-340.19	-10.77	-7.81		1.03	1.03	.645
		1.5	-1555.87	11357.56	-1870.95	-6.18	-63.90	-340.19	-10.77	-7.07		1.00	1.00	.620
		3.0	-1557.82	10212.79	-1721.62	-6.18	-61.55	-340.19	-10.78	-6.36		.96	.96	.595
		4.6	-1558.78	9109.64	-1572.30	-6.18	-59.34	-340.19	-10.79	-5.68		.93	.93	.572
		6.1	-1559.74	8046.57	-1422.97	-6.18	-57.18	-340.19	-10.79	-5.02		.90	.90	.549
506- 654	210- 1	0.0	-578.67	-1377.94	-974.35	-9.43	8.14	-99.82	-12.76	-8.02		.79	.79	.727
		5.1	-578.72	-915.28	-460.96	-7.48	7.10	-99.82	-12.76	-4.87		.69	.69	.629
		10.1	-578.77	-515.86	-65.00	-5.57	6.04	-99.82	-12.76	-2.47		.60	.60	.555
		15.2	-578.80	-180.04	215.89	-3.69	5.00	-99.82	-12.76	-1.34		.51	.51	.519
		20.2	-578.87	91.30	384.74	-1.08	3.97	-99.82	-12.76	-1.88		.43	.43	.536
510- 710	P1- 1	0.0	-1073.76	-6672.97	-75.09	7.44	29.98	-552.09	-4.85	-3.12		.41	.41	.277
		6.3	-1077.87	-4367.43	-641.03	7.44	30.66	-552.09	-4.87	-2.06		.41	.41	.241
		12.7	-1081.96	-2010.09	-1206.97	7.44	31.34	-552.09	-4.89	-1.10		.42	.42	.212
		19.0	-1086.05	399.05	-1772.91	7.44	32.03	-552.09	-4.91	-.85		.43	.43	.205
		25.3	-1090.13	2859.95	-2338.85	7.44	32.71	-552.09	-4.93	-1.73		.43	.43	.232
511- 711	P1- 1	0.0	-1103.03	-7256.48	359.08	-7.00	33.01	289.21	-4.98	-3.39		.37	.37	.291
		6.3	-1107.12	-4700.60	891.45	-7.00	33.69	289.21	-5.00	-2.24		.38	.38	.251
		12.7	-1111.21	-2112.93	1423.81	-7.00	34.37	289.21	-5.02	-1.19		.38	.38	.219
		19.0	-1115.30	520.54	1956.18	-7.00	35.05	289.21	-5.04	-.95		.39	.39	.213
		25.3	-1119.38	3217.81	2488.54	-7.00	35.74	289.21	-5.06	-1.90		.40	.40	.242

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	1938.56	12874.67	-559.67	-.67	-62.51	-228.94	8.76	6.02		.62	.62	.513
		6.3	1934.47	8147.75	-309.02	-.67	-61.83	-228.94	8.74	3.81		.61	.61	.436
		12.7	1930.39	3472.48	-258.50	-.67	-61.15	-228.94	8.72	1.63		.61	.61	.360
		19.0	1926.30	-1150.96	-207.71	-.67	-60.46	-228.94	8.71	.55		.60	.60	.321
		25.3	1922.21	-5722.56	-157.05	-.67	-59.78	-228.94	8.69	2.68		.59	.59	.395
601- 651	JL5- 1	0.0	901.81	-4370.09	-11630.65	-94.68	26.50	-439.08	6.24	7.64		1.50	1.50	.482
		1.5	900.84	-3696.56	-9926.16	-92.12	25.40	-439.08	6.23	6.55		1.46	1.46	.444
		3.0	899.88	-3442.72	-8267.79	-89.65	24.34	-439.08	6.23	5.50		1.42	1.42	.407
		4.6	898.92	-3007.88	-6654.05	-87.25	23.32	-439.08	6.22	4.49		1.38	1.38	.372
		6.1	897.96	-2591.30	-5083.35	-84.91	22.34	-439.08	6.21	3.51		1.35	1.35	.338
503- 633	JL5- 1	0.0	546.26	-4738.78	12916.19	102.47	32.55	360.55	3.78	8.45		1.60	1.60	.425
		1.5	545.30	-4154.76	11069.63	99.91	31.46	360.55	3.77	7.27		1.56	1.56	.383
		3.0	544.33	-3590.44	9269.10	97.41	30.39	360.55	3.77	6.11		1.52	1.52	.343
		4.6	543.38	-3045.11	7513.36	95.02	29.37	360.55	3.76	4.96		1.49	1.49	.304
		6.1	542.42	-2518.04	5800.57	92.70	28.39	360.55	3.75	3.89		1.45	1.45	.265
606- 636	JL5- 1	0.0	-1559.74	8046.57	-1422.97	-8.18	-57.16	-340.19	-10.79	-5.02		.90	.90	.549
		1.5	-1560.70	7022.37	-1273.65	-8.18	-55.08	-340.19	-10.80	-4.39		.88	.88	.527
		3.0	-1561.66	6035.90	-1124.33	-8.18	-53.04	-340.19	-10.81	-3.77		.85	.85	.506
		4.6	-1562.63	5086.10	-975.00	-8.18	-51.07	-340.19	-10.81	-3.18		.82	.82	.486
		6.1	-1563.59	4171.60	-825.66	-8.18	-49.17	-340.19	-10.82	-2.61		.79	.79	.467
631- 651	JL6- 1	0.0	898.00	-2616.74	-5071.09	-84.06	24.02	-429.81	6.21	3.51		1.34	1.34	.330
		1.5	898.07	-2195.19	-3568.53	-80.68	22.42	-429.81	6.21	2.57		1.29	1.29	.305
		3.0	898.15	-1796.51	-2125.45	-77.37	20.85	-429.81	6.22	1.71		1.24	1.24	.275
		4.6	898.23	-1432.00	-744.10	-74.17	19.33	-429.81	6.22	.99		1.19	1.19	.250
		6.1	898.30	-1092.79	580.50	-71.04	17.85	-429.81	6.22	.76		1.15	1.15	.242
632- 703	210- 1	0.0	9.08	-95.10	-745.35	2.40	-.19	273.01	.20	3.57		.75	.75	.131
		5.5	9.02	-94.09	-725.63	-2.94	.21	273.01	.20	3.46		.78	.78	.128
		11.0	8.96	-60.07	-304.82	-7.99	.57	273.01	.20	1.76		1.00	1.00	.068
		16.4	8.92	-19.41	318.53	-12.73	.91	273.01	.20	1.52		1.21	1.21	.060
		21.9	8.88	51.43	1303.75	-17.17	1.25	273.01	.20	6.20		1.41	1.41	.222
633- 653	JL6- 1	0.0	542.45	-2546.96	5768.56	92.11	29.61	350.33	3.75	3.89		1.45	1.45	.265
		1.5	542.53	-2021.33	4138.95	88.73	28.01	350.33	3.75	2.63		1.40	1.40	.229
		3.0	542.61	-1524.61	2550.21	85.42	26.44	350.33	3.75	1.83		1.35	1.35	.194
		4.6	542.68	-1056.02	1021.00	82.22	24.93	350.33	3.76	.90		1.30	1.30	.162
		6.1	542.76	-614.75	-450.46	79.09	23.45	350.33	3.76	.47		1.25	1.25	.147
634- 701	210- 1	0.0	-578.87	91.33	584.76	-1.77	4.16	-99.68	-12.76	-1.88		.44	.44	.541
		5.5	-578.92	300.64	406.93	1.08	2.22	-99.68	-12.76	-2.40		.35	.35	.557
		11.0	-578.97	385.22	245.04	3.62	.36	-99.68	-12.76	-2.17		.41	.41	.550
		16.5	-579.02	350.51	-93.29	6.45	-1.40	-99.68	-12.77	-1.72		.53	.53	.536
		21.9	-579.09	202.26	-597.59	8.08	-3.09	-99.68	-12.77	-3.00		.65	.65	.576

LOAD CONDITION NO. 6

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
655- 700	210- 1	0.0	501.60	-313.21	370.15	.81	-4.10	-171.09	12.82	2.30		.59	.59	.525
		5.5	501.55	-472.27	242.50	3.04	-.79	-171.09	12.82	2.52		.55	.55	.533
		11.0	501.51	-423.51	-25.94	5.09	2.24	-171.09	12.82	2.02		.65	.65	.515
		16.4	501.46	-182.98	-422.40	6.94	5.03	-171.09	12.82	2.19		.78	.78	.521
		21.9	501.43	233.99	-955.14	8.61	7.20	-171.09	12.82	4.58		.91	.91	.604
655- 650	JL6- 1	0.0	-1503.59	4171.00	-825.60	-8.18	-49.17	-340.19	-10.82	-2.61		.79	.79	.467
		1.5	-1503.52	3293.04	-676.36	-8.18	-47.05	-340.19	-10.82	-2.07		.77	.77	.448
		3.0	-1503.44	2454.32	-527.03	-8.18	-44.97	-340.19	-10.82	-1.54		.74	.74	.429
		4.6	-1503.37	1651.04	-377.71	-8.18	-42.99	-340.19	-10.82	-1.04		.71	.71	.412
		6.1	-1503.29	885.09	-228.39	-8.18	-41.06	-340.19	-10.82	-.56		.68	.68	.396
651- 701	JL6- 1	0.0	924.29	-1337.98	-254.52	-27.90	18.36	-1149.92	6.40	.84		.82	.82	.251
		1.8	924.38	-954.24	301.71	-24.34	16.73	-1149.92	6.40	.62		.76	.76	.244
		3.5	924.47	-625.00	703.09	-20.89	15.14	-1149.92	6.40	.62		.71	.71	.244
		5.3	924.55	-319.15	1192.18	-17.55	13.60	-1149.92	6.40	.76		.66	.66	.249
		7.1	924.64	-45.65	1531.26	-14.31	12.10	-1149.92	6.40	.94		.61	.61	.255
655- 703	JL6- 1	0.0	546.60	-975.33	455.29	35.48	27.01	1085.00	3.78	.66		.95	.95	.154
		1.8	546.74	-417.02	-262.15	31.92	25.36	1085.00	3.78	.30		.90	.90	.142
		3.5	546.83	105.20	-904.95	28.47	23.77	1085.00	3.78	.56		.85	.85	.151
		5.3	546.91	594.82	-1475.47	25.15	22.23	1085.00	3.78	.98		.80	.80	.165
		7.1	547.01	1052.11	-1975.96	21.89	20.75	1085.00	3.79	1.38		.75	.75	.179
655- 700	JL6- 1	0.0	-1503.31	885.09	-228.23	-8.18	-40.33	-340.30	-10.82	-.56		.67	.67	.396
		1.8	-1503.22	49.00	-54.00	-8.18	-38.16	-340.30	-10.82	-.05		.64	.64	.381
		3.5	-1503.13	-740.03	120.22	-8.18	-36.06	-340.30	-10.82	-.46		.62	.62	.393
		5.3	-1503.05	-1487.49	294.44	-8.18	-34.09	-340.30	-10.82	-.93		.59	.59	.408
		7.1	-1502.96	-2192.03	468.67	-8.18	-32.16	-340.30	-10.82	-1.38		.56	.56	.423
701- 702	137- 1	0.0	-51.57	62.94	79.97	4.13	-.67	19.76	-3.54	-2.32		.80	.80	.249
		4.7	-51.57	28.38	-83.67	1.09	-.56	19.76	-3.54	-2.02		.47	.47	.236
		9.4	-51.57	-.11	-110.06	-.75	-.45	19.76	-3.54	-2.51		.35	.35	.252
		14.1	-51.57	-22.54	.63	-3.18	-.34	19.76	-3.54	-.51		.66	.66	.193
		18.8	-51.57	-30.91	248.46	-5.62	-.24	19.76	-3.54	-5.74		1.00	1.00	.351
701- 704	137- 1	0.0	17.77	116.27	-48.73	1.24	-.89	-1.83	1.22	2.88		.23	.23	.142
		4.7	17.78	69.43	-84.95	.04	-.78	-1.83	1.22	2.50		.13	.13	.129
		9.4	17.79	20.60	-53.72	-1.15	-.67	-1.83	1.22	1.39		.20	.20	.091
		14.1	17.81	-6.05	44.90	-2.35	-.56	-1.83	1.22	1.03		.35	.35	.078
		18.8	17.82	-34.69	210.92	-3.55	-.46	-1.83	1.22	4.88		.51	.51	.212
701- 801	JL7- 1	0.0	271.21	1362.09	2072.45	-14.47	6.15	-249.98	3.84	3.15		.60	.60	.243
		8.6	275.31	1021.56	2849.33	-.88	-1.00	-249.98	3.89	4.17		.20	.20	.280
		17.2	279.43	1182.53	2308.90	11.09	-7.38	-249.98	3.95	3.30		.54	.54	.252
		25.9	283.53	113.64	600.91	21.71	-13.20	-249.98	4.01	.78		.88	.88	.166
		34.5	287.65	-1529.51	-2138.50	31.12	-18.52	-249.98	4.07	3.34		1.18	1.18	.257

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 3

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILINGS) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
701- 805	200- 1	0.0	455.72	1254.05	494.52	7.18	-12.05	-11.10	11.98	7.54		.77	.77	.678
		13.6	455.78	-175.95	-319.70	2.90	-5.65	-11.10	11.98	2.01		.36	.36	.485
		27.2	455.85	-645.57	-456.56	-.91	-.23	-11.10	11.98	4.45		.08	.03	.570
		40.8	455.97	-309.93	-47.63	-4.00	4.30	-11.10	11.97	1.79		.34	.34	.475
		54.4	456.04	709.47	621.73	-6.54	7.95	-11.10	11.97	6.05		.57	.57	.627
702- 703	137- 1	0.0	-51.20	-40.55	261.57	5.94	.25	-7.98	-3.51	-5.35		.91	.91	.357
		4.7	-51.20	-27.20	-4.05	3.50	.36	-7.98	-3.51	-.63		.57	.57	.195
		9.4	-51.20	-3.97	-132.21	1.06	.47	-7.98	-3.51	-3.02		.25	.25	.265
		14.1	-51.20	25.32	-123.29	-1.38	.57	-7.98	-3.51	-2.87		.30	.30	.262
		18.8	-51.20	50.65	22.75	-3.81	.68	-7.98	-3.51	-1.46		.62	.62	.224
702- 704	127- 1	0.0	8.22	9.57	-91.89	-2.24	-.24	-5.31	.59	3.09		.43	.48	.131
		4.7	8.22	-1.07	5.29	-1.21	-.14	-5.31	.59	.18		.31	.31	.030
		9.4	8.22	-6.43	44.27	-.18	-.05	-5.31	.59	.50		.14	.14	.075
		14.1	8.22	-6.51	25.45	.85	.05	-5.31	.59	.33		.25	.25	.055
		18.8	8.23	-1.32	-51.26	1.88	.14	-5.31	.59	1.72		.42	.42	.084
702- 705	127- 1	0.0	7.55	15.50	78.89	2.14	-.25	4.02	.64	2.70		.43	.43	.116
		4.7	7.65	4.95	-12.59	1.11	-.15	4.02	.64	.45		.25	.26	.033
		9.4	7.55	-1.30	-45.97	.08	-.05	4.02	.64	1.54		.05	.08	.076
		14.1	7.65	-2.28	-21.55	-.95	.05	4.02	.64	.72		.23	.23	.047
		18.8	7.66	2.01	58.83	-1.98	.12	4.02	.64	2.04		.40	.40	.093
703- 705	137- 1	0.0	12.22	100.32	112.67	-.84	-.87	-5.13	.84	3.45		.20	.20	.149
		4.7	12.24	54.19	125.51	.35	-.77	-5.13	.84	3.14		.15	.15	.133
		9.4	12.25	14.12	72.95	1.55	-.66	-5.13	.84	1.70		.27	.27	.033
		14.1	12.26	-19.09	-48.11	2.75	-.55	-5.13	.84	1.19		.42	.42	.070
		18.8	12.27	-47.62	-236.50	3.95	-.44	-5.13	.84	5.51		.58	.58	.221
703- 801	200- 1	0.0	-5.69	154.94	-1468.19	-17.60	-.91	1.65	-.15	-8.26		.93	.93	.294
		13.6	-5.57	41.15	577.13	-7.70	-.49	1.65	-.15	-3.24		.41	.41	.119
		27.2	-5.50	-12.99	1108.41	1.02	-.20	1.65	-.14	-5.20		.06	.05	.222
		40.8	-5.42	-28.41	309.25	8.71	-.00	1.65	-.14	-1.69		.46	.46	.055
		54.4	-5.27	-10.71	-1655.69	15.53	.11	1.65	-.14	-9.44		.82	.82	.334
703- 803	017- 1	0.0	543.51	1431.65	-1442.83	10.08	7.66	-149.65	7.69	2.59		.65	.65	.357
		8.5	547.51	1846.16	-2592.67	4.49	.55	-149.66	7.75	4.05		.22	.22	.410
		17.2	551.73	1556.95	-2425.25	-7.49	-5.86	-149.65	7.81	3.67		.35	.36	.399
		25.9	555.84	655.91	-1090.15	-16.11	-11.67	-149.65	7.86	1.62		.70	.70	.329
		34.5	559.95	-629.41	1276.31	-27.51	-16.94	-149.56	7.92	1.94		1.01	1.01	.342
704- 705	127- 1	0.0	-15.72	-2.45	158.60	4.10	-.21	2.41	-1.32	-4.64		.73	.73	.215
		4.7	-15.72	-11.58	-33.86	2.04	-.11	2.41	-1.32	-1.19		.38	.38	.095
		9.4	-15.72	-15.04	-90.39	-.03	-.02	2.41	-1.32	-3.06		.05	.05	.150
		14.1	-15.72	-13.42	-30.42	-2.09	.06	2.41	-1.32	-1.13		.39	.39	.093
		18.8	-15.72	-6.52	144.59	-4.15	.17	2.41	-1.32	-4.84		.74	.74	.222

LOAD CONDITION NO. 5

3-PILE ACDM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 705	157- 1	0.0	54.97	-50.74	20.84	1.04	-.11	-9.45	2.40	.85		.36	.36	.113
		4.7	54.96	-55.93	-43.99	.04	-.09	-9.45	2.40	1.36		.20	.20	.131
		9.4	54.96	-51.01	-52.65	-.50	.11	-9.45	2.40	1.39		.18	.18	.132
		14.1	54.96	-20.72	7.53	-1.63	.26	-9.45	2.40	.50		.33	.33	.101
		18.8	54.95	-1.74	129.95	-2.71	.41	-9.45	2.40	2.97		.43	.43	.136
705- 706	157- 1	0.0	29.27	-37.99	-31.17	-1.95	-.15	1.57	2.01	1.12		.29	.29	.109
		4.7	29.25	-45.41	45.14	-.75	-.04	1.57	2.01	1.43		.12	.12	.119
		9.4	29.25	-42.73	55.20	.59	.07	1.57	2.01	1.59		.07	.07	.125
		14.1	29.26	-34.55	1.55	1.51	.22	1.57	2.01	.79		.23	.23	.097
		18.8	29.26	-17.92	-114.57	2.00	.37	1.57	2.01	2.64		.38	.38	.162
705- 805	200- 1	0.0	-451.25	-945.50	1007.48	9.01	7.76	7.94	-12.15	-7.74		.67	.67	.931
		13.6	-451.15	27.43	-169.92	4.05	4.20	7.94	-12.12	-.95		.55	.55	.621
		27.2	-451.06	451.41	-569.70	.53	.77	7.94	-12.12	-4.09		.07	.07	.764
		40.8	-451.01	286.52	-292.25	-3.90	-2.46	7.94	-12.12	-2.30		.27	.27	.682
		54.4	-450.90	-360.95	557.14	-7.09	-5.54	7.94	-12.12	-4.21		.52	.52	.769
706- 806	327- 1	0.0	-904.21	-2692.74	-258.21	-2.86	-4.86	257.50	-12.85	-3.63		.32	.32	.539
		8.6	-904.11	-2951.17	7.23	-2.06	2.92	257.50	-12.79	-3.73		.23	.23	.590
		17.2	-899.97	-2285.77	302.60	-2.06	9.35	257.50	-12.73	-2.93		.44	.44	.563
		25.9	-895.96	-1032.51	598.13	-2.06	14.70	257.50	-12.67	-1.52		.59	.59	.517
		34.5	-891.01	721.57	895.57	-2.05	19.06	257.50	-12.62	-1.45		.71	.71	.513
710- 810	P2- 1	0.0	-1099.69	2057.49	-2341.82	7.25	-6.20	-505.08	-4.34	-1.54		.18	.18	.209
		8.6	-1095.41	2262.45	-3091.33	7.25	-5.23	-505.08	-4.36	-1.60		.18	.18	.212
		17.2	-1102.72	1776.08	-3840.85	7.25	-4.16	-505.08	-4.39	-1.76		.17	.17	.218
		25.9	-1109.04	1398.40	-4590.33	7.25	-3.13	-505.08	-4.41	-2.00		.17	.17	.225
		34.5	-1115.36	1129.41	-5339.85	7.25	-2.08	-505.08	-4.44	-2.27		.17	.17	.235
711- 811	P2- 1	0.0	-1119.35	3215.55	2491.07	-6.01	-.60	-357.94	-4.45	-1.70		.13	.13	.216
		8.6	-1125.66	3208.01	3195.02	-6.01	.45	-357.94	-4.48	-1.89		.13	.13	.225
		17.2	-1131.96	3309.55	3898.97	-6.01	1.51	-357.94	-4.50	-2.13		.13	.13	.233
		25.9	-1138.29	3519.39	4602.95	-6.01	2.56	-357.94	-4.53	-2.41		.13	.13	.243
		34.5	-1144.61	3833.11	5306.85	-6.01	3.61	-357.94	-4.55	-2.73		.14	.14	.253
712- 812	P2- 1	0.0	1922.14	-5722.56	-156.20	-.67	1.32	484.37	7.65	2.39		.11	.11	.348
		8.6	1915.85	-5531.05	-87.51	-.67	2.37	484.37	7.62	2.31		.12	.12	.345
		17.2	1909.51	-5232.24	-18.42	-.67	3.42	484.37	7.60	2.18		.13	.13	.340
		25.9	1903.19	-4625.72	50.47	-.67	4.46	484.37	7.57	2.01		.14	.14	.333
		34.5	1896.88	-4300.25	119.36	-.67	5.53	484.37	7.55	1.80		.15	.15	.324
801- 802	183- 1	0.0	-64.95	81.07	-52.34	3.08	-.63	40.45	-2.67	-1.06		.43	.43	.170
		5.9	-64.95	40.02	-164.86	.77	-.55	40.45	-2.67	-2.11		.30	.30	.206
		11.8	-64.95	4.26	-161.57	-1.54	-.46	40.45	-2.67	-1.77		.35	.35	.195
		17.7	-64.95	-25.03	29.11	-3.84	-.38	40.45	-2.67	-.42		.54	.54	.133
		23.7	-64.95	-49.06	303.51	-6.15	-.30	40.45	-2.67	-4.23		.73	.73	.230

LOAD CONDITION NO. 3

3-PILE ACRH STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
801- 804	165- 1	0.0	-114.44	294.78	-173.42	.94	-1.36	7.55	-4.70	-3.74		.18	.18	.342
		5.9	-114.43	199.64	-194.75	-.23	-1.30	7.55	-4.70	-3.06		.15	.15	.336
		11.8	-114.42	110.62	-141.28	-1.39	-1.21	7.55	-4.70	-1.95		.19	.19	.293
		17.7	-114.41	29.78	-1.34	-2.54	-1.07	7.55	-4.70	-.33		.27	.27	.246
		23.7	-114.42	-41.26	217.56	-3.63	-.93	7.55	-4.70	-2.42		.35	.35	.309
801-1001	JL3- 1	0.0	20.86	-1069.55	-2319.22	-21.41	11.55	259.62	.30	3.25		.85	.83	.133
		8.6	24.97	-157.45	-559.23	-12.75	6.51	259.62	.35	.73		.57	.57	.038
		17.2	29.07	255.74	339.93	-4.74	1.66	259.62	.41	.56		.31	.31	.034
		25.9	33.18	210.27	443.05	2.55	-3.01	259.62	.47	.62		.28	.28	.038
		34.5	37.29	-283.98	-61.03	6.64	-6.12	259.62	.53	.38		.42	.42	.031
801-1002	160- 1	0.0	4.82	-32.24	615.92	7.63	.55	-6.35	.20	6.74		.65	.65	.241
		10.4	4.82	15.79	-94.06	3.62	.27	-6.35	.20	1.05		.35	.35	.043
		20.8	4.84	55.31	-352.01	.37	.00	-6.35	.20	3.87		.06	.06	.141
		31.1	4.86	19.60	-195.60	-2.78	-.27	-6.35	.20	2.16		.25	.26	.082
		41.5	4.90	-33.31	271.20	-4.33	-.52	-6.35	.20	2.99		.39	.39	.111
801-1004	150- 1	0.0	304.19	533.24	169.16	2.65	-5.45	23.39	12.66	6.11		.65	.65	.652
		10.4	304.26	-6.33	-88.50	1.32	-2.86	23.39	12.65	.97		.39	.39	.473
		20.8	304.34	-195.13	-164.19	-.09	-.18	23.39	12.65	2.77		.14	.14	.536
		31.1	304.40	-60.69	-74.29	-1.31	2.24	23.39	12.67	1.05		.34	.34	.476
		41.5	304.43	309.92	132.97	-1.66	3.30	23.39	12.67	3.69		.44	.44	.568
802- 803	160- 1	0.0	-63.44	-50.76	419.14	6.60	.29	-33.27	-2.61	-4.61		.74	.74	.290
		5.9	-63.44	-27.55	18.49	4.49	.37	-33.27	-2.61	-.30		.55	.55	.143
		11.8	-63.44	1.95	-218.42	2.16	.45	-33.27	-2.61	-2.39		.37	.37	.213
		17.7	-63.44	37.09	-291.75	-.12	.54	-33.27	-2.61	-3.21		.23	.23	.242
		23.7	-63.44	76.11	-201.46	-2.45	.62	-33.27	-2.61	-2.36		.39	.39	.212
802- 804	140- 1	0.0	9.78	55.46	-90.83	-1.08	-.29	-11.16	.62	3.26		.47	.47	.142
		5.9	9.79	17.14	-.56	-.06	-.23	-11.16	.62	.57		.34	.34	.043
		11.8	9.79	3.03	31.39	-.04	-.17	-11.16	.62	1.05		.22	.22	.055
		17.7	9.80	-6.69	5.07	.78	-.11	-11.16	.62	.29		.32	.32	.039
		23.7	9.80	-12.61	-79.53	1.60	-.05	-11.16	.62	2.69		.45	.45	.122
802- 805	145- 1	0.0	7.02	37.01	55.21	1.53	-.30	10.78	.59	2.22		.44	.44	.093
		5.9	7.02	17.96	-24.41	.71	-.24	10.78	.59	1.01		.31	.31	.056
		11.8	7.03	3.12	-45.69	-.11	-.18	10.78	.59	1.53		.22	.22	.074
		17.7	7.03	-7.33	-8.71	-.93	-.12	10.78	.59	.39		.34	.34	.034
		23.7	7.03	-13.95	66.56	-1.75	-.06	10.78	.59	2.93		.47	.47	.122
803- 805	165- 1	0.0	175.96	276.01	541.52	.30	-1.32	-6.72	7.23	4.60		.15	.15	.418
		5.9	175.97	185.15	278.61	1.47	-1.24	-6.72	7.23	3.65		.19	.19	.378
		11.8	175.96	100.22	132.90	2.64	-1.15	-6.72	7.23	1.82		.27	.27	.314
		17.7	175.96	23.27	-95.27	3.78	-1.01	-6.72	7.23	1.07		.36	.36	.288
		23.7	175.97	-43.08	-402.42	4.67	-.87	-6.72	7.23	4.42		.44	.44	.405

[illegible]OAD CONDITION NO. [illegible]

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
[illegible]5-1002	16U- 1	0.0	-5.13	-27.06	-524.22	-7.32	.52	.59	-.21	-5.73		.61	.61	.211
		10.4	-5.12	21.13	145.65	-3.51	.24	.59	-.21	-1.57		.29	.29	.065
		20.8	-5.10	34.77	353.45	-.06	-.02	.59	-.21	-3.99		.01	.01	.143
		31.1	-5.09	16.36	169.87	3.09	-.29	.59	-.21	-1.87		.25	.25	.074
		41.5	-5.[illegible]	-37.51	-535.[illegible]	4.54	-.55	.59	-.21	-5.73		.37	.37	.133
[illegible]5-1003	JL5- 1	0.0	18.12	-154.65	1001.70	15.14	9.30	-265.72	.25	1.27		.74	.74	.253
		8.5	22.21	558.55	-420.65	7.47	4.25	-265.72	.31	.65		.45	.45	.041
		17.2	26.31	725.00	-955.72	1.47	-.57	-265.72	.37	1.55		.21	.21	.057
		25.9	30.43	416.65	-745.76	-5.02	-5.25	-265.72	.43	1.09		.39	.39	.053
		34.5	34.55	-510.14	116.55	-10.11	-8.38	-265.72	.49	.42		.54	.54	.032
[illegible]5-1005	16U- 1	0.0	303.37	457.[illegible]	-159.71	-2.08	-5.51	-17.10	12.46	5.12		.50	.50	.510
		10.4	303.44	-57.05	[illegible]2.55	-1.57	-2.52	-17.10	12.45	1.23		.33	.33	.477
		20.8	303.52	-241.05	153.45	.04	.17	-17.10	12.47	2.93		.11	.11	.535
		31.1	303.59	-25.76	99.70	1.25	2.55	-17.10	12.47	1.13		.33	.33	.472
		41.5	303.51	387.79	-191.91	1.51	5.75	-17.10	12.47	4.33		.43	.43	.553
[illegible]	[illegible]- 1	0.0	-16.83	-11.91	153.15	3.27	-.12	[illegible].13	-1.33	-5.47		.33	.33	.230
		5.7	-16.43	-14.57	-72.51	1.55	2.05	.13	-1.33	-.74		.23	.23	.086
		11.4	-16.43	-20.57	-74.49	.05	-.00	.13	-1.33	-2.50		.02	.02	.150
		17.7	-16.43	-15.75	-15.79	-1.51	.05	.13	-1.33	-1.02		.25	.25	.093
		23.7	-16.83	-12.[illegible]	1[illegible].15	-3.11	.12	.13	-1.33	-3.7[illegible]		.33	.33	.223
F0[illegible] 000	1[illegible]- 1	0.0	-97.37	-31.54	-25.11	1.25	-.85	-19.20	-3.97	-.44		.23	.23	.214
		5.9	-97.10	-87.07	-75.69	.17	-.72	-19.20	-3.97	-1.27		.17	.17	.241
		11.9	-97.19	-133.02	-50.65	-.87	-.55	-19.20	-3.97	-1.55		.19	.19	.252
		17.8	-97.15	-169.79	47.65	-1.90	-.45	-19.20	-3.97	-1.93		.26	.26	.264
		23.7	-97.10	-195.49	217.92	-2.08	-.29	-19.20	-3.97	-3.20		.34	.34	.302
F05- 000	1[illegible]5- 1	0.0	191.91	-35.13	-175.68	-2.03	-.82	21.78	7.68	1.96		.35	.35	.342
		5.9	191.90	-90.15	-27.71	-1.59	-.66	21.78	7.68	1.01		.26	.26	.309
		11.9	191.91	-131.12	44.45	-.50	-.53	21.78	7.65	1.51		.18	.18	.325
		17.8	191.92	-164.01	45.10	.53	-.39	21.78	7.53	1.35		.17	.17	.333
		23.7	191.9[illegible]	[illegible]	-27.95	1.52	-.25	21.73	7.64	2.07		.23	.23	.345
[illegible]	16U- 1	0.0	-31[illegible].1[illegible]	-36[illegible].75	-337.47	-4.15	4.34	10.95	-12.74	-5.65		.54	.54	.654
		10.[illegible]	-31[illegible].1[illegible]	7.[illegible]	2.44	-2.15	2.09	10.96	-12.74	-.67		.30	.30	.595
		20.8	-31[illegible].37	131.13	158.45	-.33	-.01	10.95	-12.74	-2.25		.09	.09	.092
		31.1	-31[illegible].04	7.37	65.40	1.46	-1.91	10.96	-12.73	-.94		.25	.25	.034
		41.5	-31[illegible].95	-284.77	-161.75	2.27	-2.59	10.95	-12.73	-3.53		.34	.34	.751
[illegible]-1035	16U- 1	0.0	-30[illegible].30	-446.55	359.18	4.05	4.36	-25.43	-12.50	-6.20		.64	.64	.857
		10.4	-30[illegible].25	-53.21	-21.54	2.09	2.31	-25.43	-12.50	-.43		.41	.41	.570
		20.8	-30[illegible].20	129.74	-106.39	.24	.31	-25.43	-12.49	-2.31		.19	.19	.633
		31.1	-304.14	45.20	-62.14	-1.55	-1.65	-25.43	-12.49	-1.02		.33	.33	.625
		41.5	-304.06	-207.72	175.10	-2.55	-2.27	-25.43	-12.49	-2.98		.42	.42	.712

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 3

3-PILE ACNR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
805-1006	JL5- 1	0.0	-93.19	213.64	1101.95	2.70	-4.82	-45.57	-1.32	-1.43		.19	.19	.093
		8.6	-69.10	-93.75	522.27	2.70	-1.25	-45.57	-1.25	-1.05		.11	.11	.033
		17.2	-54.98	-72.43	542.59	2.70	1.55	-45.57	-1.20	-.70		.12	.12	.039
		25.9	-50.89	205.35	262.91	2.70	3.74	-45.57	-1.14	-.43		.16	.16	.037
		34.5	-75.39	579.96	-16.77	2.70	2.63	-45.57	-1.09	-.74		.14	.14	.055
310-1010	P2- 1	0.0	-1115.34	1134.17	-5337.71	7.41	-17.39	504.08	-4.44	-2.27		.25	.25	.235
		8.6	-1121.65	-609.79	-6103.73	7.41	-16.34	504.08	-4.45	-2.56		.25	.25	.244
		17.2	-1127.97	-2244.90	-6869.76	7.41	-15.29	504.08	-4.49	-3.01		.24	.24	.259
		25.9	-1134.28	-3771.16	-7635.79	7.41	-14.25	504.08	-4.51	-3.55		.23	.23	.280
		34.5	-1140.59	-5186.55	-8401.81	7.41	-13.18	504.08	-4.54	-4.12		.23	.23	.301
311-1011	P2- 1	0.0	-1144.57	3542.69	5303.34	-6.96	-29.14	-540.55	-4.55	-2.73		.37	.37	.253
		8.6	-1150.89	883.64	6023.39	-6.96	-28.09	-540.55	-4.58	-2.54		.35	.35	.239
		17.2	-1157.20	-1960.15	6743.25	-6.96	-27.03	-540.55	-4.60	-2.93		.35	.35	.262
		25.9	-1163.52	-4707.29	7463.20	-6.96	-25.98	-540.55	-4.63	-3.53		.33	.33	.283
		34.5	-1169.84	-7339.58	8183.15	-6.96	-24.93	-540.55	-4.65	-4.53		.34	.34	.321
312-1012	P2- 1	0.0	1896.83	-4506.25	118.73	-.67	38.05	-29.33	7.55	1.00		.31	.31	.324
		8.6	1890.51	-517.59	187.62	-.67	39.10	-29.33	7.52	.15		.32	.32	.257
		17.2	1884.20	3779.03	256.51	-.67	40.15	-29.33	7.50	1.53		.33	.33	.315
		25.9	1877.85	7985.95	325.40	-.67	41.20	-29.33	7.47	3.33		.33	.33	.375
		34.5	1871.57	12300.79	394.25	-.67	42.25	-29.33	7.45	5.13		.34	.34	.437
1001-1002	180- 1	0.0	-127.49	45.14	-165.85	-.35	.01	-127.05	-4.64	-1.53		.57	.57	.293
		7.1	-127.48	37.52	-142.64	-.65	-.14	-127.05	-4.64	-1.26		.59	.59	.282
		14.3	-127.48	19.66	-74.92	-.93	-.28	-127.05	-4.64	-.66		.62	.62	.255
		21.4	-127.48	-10.45	17.26	-1.22	-.42	-127.05	-4.64	-.17		.64	.64	.248
		28.6	-127.48	-52.79	133.90	-1.50	-.57	-127.05	-4.64	-1.23		.66	.66	.201
1001-1004	180- 1	0.0	-115.21	371.55	-244.00	-.70	-1.78	-50.33	-4.19	-3.80		.35	.35	.343
		7.1	-115.22	212.99	-177.11	-.85	-1.92	-50.33	-4.17	-2.37		.37	.37	.293
		14.3	-115.20	42.28	-98.39	-.97	-2.06	-50.33	-4.19	-.91		.33	.33	.248
		21.4	-115.19	-140.90	-11.21	-1.05	-2.21	-50.33	-4.19	-1.21		.39	.39	.262
		28.6	-115.25	-336.21	82.31	-1.12	-2.35	-50.33	-4.19	-2.96		.40	.40	.323
1002-1003	180- 1	0.0	-121.55	-45.61	111.25	1.57	.54	92.58	-4.42	-1.03		.52	.52	.263
		7.1	-121.55	-5.77	-10.64	1.28	.39	92.58	-4.42	-.10		.49	.49	.234
		14.3	-121.55	21.82	-108.07	.99	.25	92.58	-4.42	-.94		.47	.47	.250
		21.4	-121.55	37.15	-181.42	.71	.11	92.58	-4.42	-1.58		.45	.45	.230
		28.6	-121.56	40.25	-229.52	.42	-.04	92.58	-4.42	-1.99		.43	.43	.293
1002-1004	140- 1	0.0	7.21	156.28	-1.50	-.06	-.82	-15.97	.01	5.23		.40	.40	.203
		7.1	7.18	80.20	1.17	.00	-.82	-15.97	.60	2.88		.40	.40	.121
		14.3	7.14	16.24	-1.66	.06	-.82	-15.97	.60	.55		.40	.40	.040
		21.4	7.11	-53.79	-9.76	.13	-.82	-15.97	.60	1.83		.41	.41	.084
		28.6	7.07	-125.01	-23.20	.19	-.82	-15.97	.59	4.21		.41	.41	.167

S T R A N M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 1

5-PILE ACHP STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1005	140- 1	0.0	6.79	145.28	-4.50	.02	-.79	18.43	.57	4.87		.44	.44	.189
		7.1	6.75	77.97	-7.30	-.05	-.79	18.43	.57	2.62		.44	.44	.111
		14.3	6.72	10.07	-.75	-.11	-.79	18.43	.56	.36		.44	.44	.032
		21.4	6.68	-58.04	11.11	-.17	-.79	18.43	.56	1.93		.44	.44	.087
		28.5	6.64	-125.95	23.25	-.23	-.79	18.43	.55	4.23		.45	.45	.167
1003-1005	160- 1	0.0	-103.41	372.08	311.57	.99	-1.56	67.09	-3.75	-4.15		.42	.42	.334
		7.1	-103.42	232.00	219.59	1.15	-1.71	67.09	-3.75	-2.73		.44	.44	.286
		14.3	-103.40	60.40	115.77	1.26	-1.85	67.09	-3.76	-1.20		.45	.43	.235
		21.4	-103.39	-84.10	3.50	1.35	-1.99	67.09	-3.76	-.72		.46	.46	.221
		28.5	-103.43	-260.05	-115.11	1.42	-2.15	67.09	-3.76	-2.44		.48	.48	.279
1004-1005	140- 1	0.0	-12.98	-29.55	16.11	.14	.03	-2.03	-1.09	-1.13		.07	.07	.090
		7.1	-12.98	-26.09	5.94	.07	.03	-2.03	-1.09	-.92		.06	.06	.083
		14.3	-12.98	-23.76	3.89	-.00	.03	-2.03	-1.09	-.81		.05	.05	.079
		21.4	-12.98	-20.86	6.97	-.07	.03	-2.03	-1.09	-.74		.06	.06	.077
		28.5	-12.98	-17.97	15.10	-.14	.03	-2.03	-1.09	-.81		.07	.07	.079
[illegible]-1005	150- 1	0.0	252.44	225.09	-1.65	-.12	-1.51	57.90	9.18	1.91		.37	.37	.385
		7.1	252.42	65.47	10.13	-.14	-1.65	57.90	9.18	.76		.38	.38	.345
		14.3	252.42	-56.99	22.45	-.14	-1.79	57.90	9.18	.54		.39	.39	.338
		21.4	252.42	-210.70	34.83	-.14	-1.95	57.90	9.18	1.89		.40	.40	.385
		28.5	252.42	-390.05	47.15	-.14	-2.03	57.90	9.18	3.35		.41	.41	.430
[illegible]5-1005	180- 1	0.0	257.99	295.18	9.25	.21	-1.69	-40.05	9.39	2.52		.30	.30	.414
		7.1	257.96	143.02	-9.95	.23	-1.84	-40.05	9.38	1.23		.31	.31	.359
		14.3	257.98	-19.79	-29.75	.23	-1.98	-40.05	9.38	.31		.32	.32	.337
		21.4	257.98	-195.05	-49.50	.23	-2.12	-40.05	9.38	1.72		.33	.33	.305
		28.5	257.98	-363.74	-69.27	.23	-2.21	-40.05	9.38	3.33		.34	.34	.442

S I M A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y -------KSI	Z -------	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
101- 102	A16- 1	0.0	-2.92	376.02	105.94	.86	-6.98	.01	-.18	4.24	9.88	.10	1.08	.485
		3.6	-2.92	111.62	68.60	.86	-5.26	.01	-.18	1.25	6.40	.10	.82	.269
		7.3	-2.92	-79.48	31.25	.86	-3.54	.01	-.18	-.89	2.92	.10	.55	.137
		10.9	-2.92	-195.69	-5.10	.86	-1.81	.01	-.18	-2.20	-.57	.10	.28	.097
		14.5	-2.92	-237.59	-45.44	.86	-.09	.01	-.18	-2.66	-4.05	.10	.01	.232
101- 104	A16- 1	0.0	-2.66	372.91	103.76	.82	-6.78	-.01	-.16	4.18	9.64	.10	1.05	.475
		3.6	-2.66	115.53	68.01	.82	-5.06	-.01	-.16	1.30	6.34	.10	.79	.268
		7.2	-2.66	-67.01	32.26	.82	-3.34	-.01	-.16	-.75	3.01	.10	.52	.135
		10.9	-2.66	-174.72	-3.48	.82	-1.62	-.01	-.16	-1.96	-.32	.10	.25	.080
		14.5	-2.66	-207.59	-39.23	.82	.10	-.01	-.16	-2.33	-3.65	.10	.02	.208
101- 201	DRL- 1	0.0	-18.76	-322.91	564.57	3.54	3.57	209.70	-.21	-1.02		.27	.27	.043
		3.8	-19.92	-162.21	405.32	3.54	3.57	209.70	-.22	-.68		.27	.27	.032
		7.5	-21.09	-1.50	246.08	3.54	3.57	209.70	-.23	-.38		.27	.27	.022
		11.3	-22.25	159.20	86.83	3.54	3.57	209.70	-.24	-.28		.27	.27	.019
		15.0	-23.41	319.91	-72.42	3.54	3.57	209.70	-.26	-.51		.27	.27	.027
102- 103	A16- 1	0.0	-2.31	-236.58	-30.80	-.42	.25	-.01	-.14	-2.60	-2.87	.05	.04	.190
		3.6	-2.31	-190.44	-12.40	-.42	1.97	-.01	-.14	-2.14	-1.16	.05	.31	.114
		7.3	-2.31	-67.40	6.01	-.42	3.69	-.01	-.14	-.76	.56	.05	.57	.049
		10.9	-2.31	130.54	24.41	-.42	5.41	-.01	-.14	1.46	2.28	.05	.84	.131
		14.5	-2.31	403.38	42.81	-.42	7.13	-.01	-.14	4.53	3.99	.05	1.11	.288
102- 106	A06- 1	0.0	-.20	-1.18	-9.56	-.12	-.17	-.00	-.03	-.06	-1.71	.02	.09	.063
		3.6	-.20	-6.08	-4.56	-.12	-.09	-.00	-.03	-.33	-.81	.02	.05	.041
		7.2	-.20	-6.01	.45	-.12	-.00	-.00	-.03	-.42	.08	.02	.00	.016
		10.9	-.20	-6.95	5.47	-.12	.09	-.00	-.03	-.33	.98	.02	.05	.046
		14.5	-.20	-1.32	10.49	-.12	.17	-.00	-.03	-.06	1.87	.02	.09	.069
102- 105	A06- 1	0.0	-1.21	1.20	-3.06	-.00	-.16	.00	-.17	.06	-.55	.00	.08	.032
		3.6	-1.21	-4.04	-2.88	-.00	-.08	.00	-.17	-.19	-.51	.00	.04	.035
		7.2	-1.21	-5.50	-2.70	-.00	.01	.00	-.17	-.26	-.48	.00	.01	.036
		10.9	-1.21	-3.18	-2.51	-.00	.10	.00	-.17	-.15	-.45	.00	.05	.031
		14.5	-1.21	2.92	-2.33	-.00	.18	.00	-.17	.14	-.42	.00	.09	.030
103- 105	A16- 1	0.0	-3.71	420.38	-30.69	-.22	-7.20	.00	-.23	4.72	-2.88	.03	1.12	.259
		3.6	-3.71	144.55	-21.43	-.22	-5.48	.00	-.23	1.62	-2.00	.03	.85	.130
		7.2	-3.71	-56.44	-11.97	-.22	-3.76	.00	-.23	-.63	-1.12	.03	.58	.068
		10.9	-3.71	-182.59	-2.50	-.22	-2.04	.00	-.23	-2.05	-.23	.03	.32	.082
		14.5	-3.71	-233.91	6.96	-.22	-.32	.00	-.23	-2.62	.65	.03	.05	.115
103- 203	DRL- 1	0.0	-19.34	-364.01	-613.56	-3.98	3.74	-73.70	-.21	-1.12		.18	.18	.046
		3.8	-20.50	-195.61	-434.58	-3.98	3.74	-73.70	-.23	-.75		.18	.18	.034
		7.5	-21.66	-27.20	-255.70	-3.98	3.74	-73.70	-.24	-.40		.18	.18	.023
		11.3	-22.82	141.21	-76.72	-3.98	3.74	-73.70	-.25	-.25		.18	.18	.018
		15.0	-23.99	309.62	102.27	-3.98	3.74	-73.70	-.26	-.51		.18	.18	.027

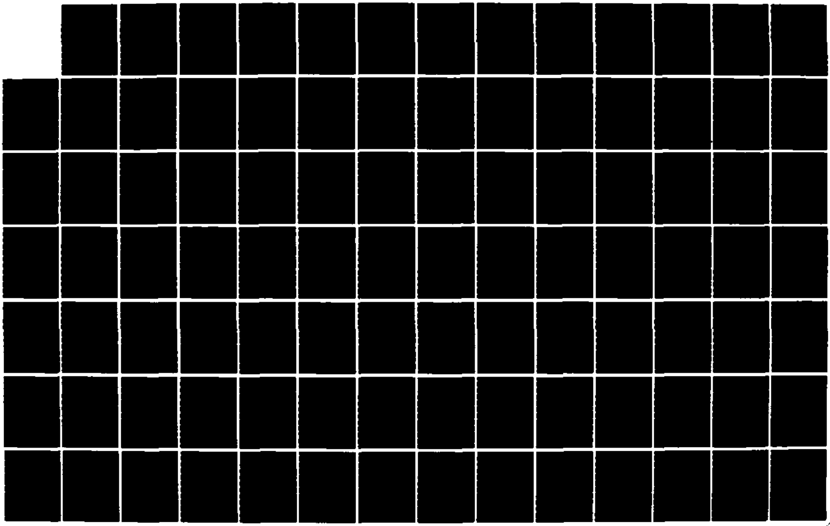
LOAD CONDITION NO. 9

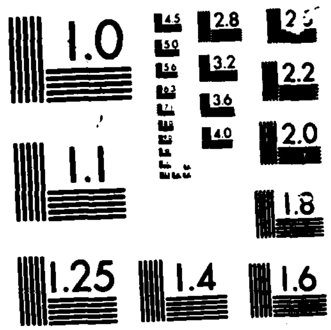
S-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING Y -------	STRESS Z ---KSI---	Y SHEAR STRESS -------	Z SHEAR STRESS -------/	COMB. UNITY CHECK
104- 105	W05- 1	0.0	1.41	1.26	-4.90	-.02	-.20	.00	.20	.06	-.68	.00	.10	.039
		3.6	1.41	-5.48	-4.03	-.02	-.11	.00	.20	-.26	-.72	.00	.06	.040
		7.3	1.41	-6.43	-3.15	-.02	-.02	.00	.20	-.40	-.56	.01	.01	.039
		10.9	1.41	-7.59	-2.27	-.02	.06	.00	.20	-.36	-.41	.01	.03	.033
		14.5	1.41	-2.97	-1.39	-.02	.15	.00	.20	-.14	-.25	.01	.06	.020
104- 106	W15- 1	0.0	-3.55	-206.88	-23.84	-.27	.48	.00	-.22	-2.34	-2.22	.03	.07	.161
		3.5	-3.56	-150.72	-12.02	-.27	2.20	.00	-.22	-1.09	-1.12	.03	.34	.102
		7.3	-3.56	-17.04	-.21	-.27	3.92	.00	-.22	-.20	-.02	.03	.61	.016
		10.9	-3.56	190.37	11.60	-.27	5.64	.00	-.22	2.14	1.08	.03	.88	.114
		14.5	-3.56	479.44	23.41	-.27	12.36	.00	-.22	5.38	2.18	.03	1.92	.255
105- 106	W16- 1	0.0	-5.00	-230.95	3.24	-.04	.01	-.04	-.31	-2.59	.30	.00	.00	.105
		3.5	-5.00	-192.90	4.99	-.04	1.74	-.04	-.31	-2.16	.47	.00	.27	.098
		7.3	-5.00	-79.93	6.74	-.04	3.46	-.04	-.31	-.90	.63	.01	.54	.063
		10.9	-5.00	107.98	8.49	-.04	5.18	-.04	-.31	1.21	.79	.01	.81	.079
		14.5	-5.00	370.01	10.24	-.04	6.90	-.04	-.31	4.16	.95	.01	1.07	.178
105- 205	DRL- 1	0.0	-16.55	650.01	-4.37	-2.14	-14.48	73.27	-.18	-1.34		.38	.38	.053
		3.8	-17.59	200.98	92.11	-2.14	-14.48	73.27	-.19	-.35		.38	.38	.019
		7.5	-18.85	-444.04	188.59	-2.14	-14.48	73.27	-.21	-.76		.38	.38	.034
		11.3	-20.02	-1095.25	285.08	-2.14	-14.48	73.27	-.22	-1.77		.38	.38	.069
		15.0	-21.10	-1747.09	381.50	-2.14	-14.48	73.27	-.23	-2.80		.38	.38	.106
201- 202	W16- 1	0.0	25.32	575.49	112.57	.92	-10.01	.07	1.56	6.46	10.50	.11	1.55	.623
		3.6	25.32	194.24	72.56	.92	-7.52	.07	1.56	2.18	6.77	.11	1.17	.358
		7.3	25.32	-79.01	32.54	.92	-5.04	.07	1.56	-.89	3.04	.11	.78	.188
		10.9	25.32	-244.25	-7.48	.92	-2.56	.07	1.56	-2.74	-.70	.11	.40	.165
		14.5	25.32	-301.44	-47.50	.92	-.07	.07	1.56	-3.38	-4.43	.11	.01	.315
201- 204	W16- 1	0.0	-45.98	612.35	111.02	.90	-10.25	-.06	-2.84	6.87	10.36	.11	1.59	.696
		3.6	-45.98	220.42	71.94	.90	-7.77	-.06	-2.84	2.47	6.71	.11	1.21	.430
		7.2	-45.98	-63.59	32.86	.90	-5.29	-.06	-2.84	-.71	3.07	.11	.82	.248
		10.9	-45.98	-239.67	-6.21	.90	-2.81	-.06	-2.84	-2.69	-.58	.11	.44	.224
		14.5	-45.98	-307.84	-45.29	.90	-.33	-.06	-2.84	-3.45	-4.23	.11	.05	.375
201- 301	DRL- 1	0.0	-51.81	-121.03	1223.73	12.67	48.24	666.65	-.57	-1.92		1.62	1.62	.087
		3.8	-52.97	2049.01	653.49	12.67	48.24	666.65	-.58	-3.36		1.62	1.62	.133
		7.5	-54.13	4219.66	63.24	12.67	48.24	666.65	-.59	-6.60		1.62	1.62	.251
		11.3	-55.29	6299.94	-539.09	15.44	45.44	666.65	-.61	-9.89		1.53	1.53	.365
		15.0	-55.42	8107.78	-1318.65	19.28	36.78	666.65	-.61	-12.85		1.43	1.43	.468
201- 303	120- 1	0.0	-9.50	260.54	-143.96	-5.69	-2.90	1.06	-.49	-5.37		.50	.50	.212
		8.2	-9.60	7.24	217.01	-5.69	-2.43	1.06	-.50	-3.83		.47	.47	.159
		16.3	-9.84	-202.70	566.62	-2.29	-1.54	1.06	-.51	-10.61		.29	.29	.396
		24.5	-10.10	-100.39	321.80	7.67	3.64	1.06	-.52	-5.94		.89	.89	.234
		32.6	-10.15	511.49	-958.30	16.49	8.83	1.06	-.53	-19.16		2.14	2.14	.693

AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 7/8

UNCLASSIFIED F/G 13/13 NL





MICROCOPY RESOLUTION TEST CHART

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
202- 203	W16- 1	0.0	26.01	-314.59	-33.09	-.45	.34	-.07	1.61	-3.53	-3.09	.05	.05	.275
		3.6	26.01	-245.61	-13.42	-.45	2.83	-.07	1.61	-2.76	-1.25	.05	.44	.186
		7.3	26.01	-66.62	6.25	-.45	5.31	-.07	1.61	-.77	.58	.05	.83	.100
		10.9	26.01	216.39	25.92	-.45	7.79	-.07	1.61	2.43	2.42	.05	1.21	.216
		14.5	26.01	609.41	45.59	-.45	10.26	-.07	1.61	6.84	4.25	.05	1.60	.419
202- 204	W08- 1	0.0	-.17	-13.04	-10.86	-.13	-.10	-.00	-.02	-.65	-1.94	.02	.09	.089
		3.6	-.17	-16.61	-5.36	-.13	-.09	-.00	-.02	-.90	-.96	.02	.05	.063
		7.2	-.17	-20.79	.14	-.13	-.00	-.00	-.02	-1.00	.03	.02	.00	.034
		10.9	-.17	-19.00	5.64	-.13	.05	-.00	-.02	-.91	1.01	.02	.04	.065
		14.5	-.17	-13.42	11.14	-.13	.17	-.00	-.02	-.65	1.99	.02	.09	.091
202- 205	W08- 1	0.0	-1.34	13.21	-3.55	-.00	-.24	-.02	-.19	.63	-.63	.00	.13	.055
		3.6	-1.34	4.59	-3.47	-.00	-.15	-.02	-.19	.22	-.62	.00	.08	.041
		7.2	-1.34	-.24	-3.40	-.00	-.07	-.02	-.19	-.01	-.61	.01	.04	.034
		10.9	-1.34	-1.29	-3.32	-.00	.02	-.02	-.19	-.06	-.59	.01	.02	.035
		14.5	-1.34	1.45	-3.25	-.00	.11	-.02	-.19	.07	-.58	.01	.06	.034
203- 205	W16- 1	0.0	34.34	1457.58	-33.89	-.23	-24.57	-.08	2.12	16.36	-3.16	.03	3.81	.700
		3.6	34.34	519.77	-23.83	-.23	-18.57	[illegible]	2.12	5.83	-2.22	.03	2.88	.335
		7.2	34.34	-157.30	-13.76	-.23	-12.57	[illegible]	2.12	-1.77	-1.28	.03	1.95	.174
		10.9	34.34	-573.62	-3.69	-.23	-6.56	-.08	2.12	-6.44	-.34	.03	1.02	.289
		14.5	34.34	-729.20	6.37	-.23	-.56	-.08	2.12	-8.18	.59	.03	.09	.353
205- 303	UNL- 1	0.0	-9.52	-450.95	-1120.06	-12.49	65.76	-297.60	-.10	-2.30		1.70	1.70	.084
		3.8	-10.66	2008.39	-557.86	-12.49	65.76	-297.60	-.12	-3.26		1.70	1.70	.117
		7.5	-11.84	4951.40	-5.07	-11.61	64.23	-297.60	-.13	-7.75		1.67	1.67	.274
		11.3	-13.01	7749.66	464.56	-9.08	59.84	-297.60	-.14	-12.14		1.56	1.56	.427
		15.0	-13.13	10317.02	800.75	-5.79	54.14	-297.60	-.14	-16.19		1.43	1.43	.567
203- 306	120- 1	0.0	-118.14	-59.50	-174.09	-.65	.03	-22.24	-6.14	-3.24		.26	.26	.452
		8.2	-118.39	-33.45	-110.56	-.65	.50	-22.24	-6.15	-2.04		.26	.28	.406
		16.3	-118.63	36.72	-47.07	-.65	.97	-22.24	-6.17	-1.07		.32	.32	.367
		24.5	-118.88	157.05	16.44	-.65	1.44	-22.24	-6.18	-2.78		.36	.36	.425
		32.6	-118.93	306.12	79.95	-.65	1.56	-22.24	-6.18	-5.58		.37	.37	.525
204- 205	W08- 1	0.0	1.52	13.42	-4.14	-.01	-.20	.02	.22	.64	-.74	.00	.14	.054
		3.6	1.52	3.91	-3.84	-.01	-.18	.02	.22	.19	-.69	.00	.10	.038
		7.3	1.52	-1.82	-3.54	-.01	-.09	.02	.22	-.09	-.63	.01	.05	.033
		10.9	1.52	-3.70	-3.24	-.01	-.00	.02	.22	-.18	-.58	.01	.01	.033
		14.5	1.52	-1.91	-2.93	-.01	.09	.02	.22	-.09	-.52	.01	.06	.029
204- 206	W16- 1	0.0	-46.94	-321.27	-30.01	-.34	.11	.03	-2.90	-3.61	-2.80	.04	.02	.333
		3.6	-46.94	-262.60	-15.04	-.34	2.59	.03	-2.90	-2.95	-1.40	.04	.40	.263
		7.3	-46.94	-95.67	-.07	-.34	5.07	.03	-2.90	-1.08	-.01	.04	.79	.156
		10.9	-46.94	178.90	14.90	-.34	7.56	.03	-2.90	2.01	1.39	.04	1.17	.233
		14.5	-46.94	567.66	29.87	-.34	15.04	.03	-2.90	6.37	2.79	.04	2.34	.420

3-PILE ACRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
205- 206	A18- 1	0.0	32.91	-727.55	.19	-.09	-.39	.07	2.05	-8.16	.02	.01	.06	.329
		3.5	32.91	-613.08	3.96	-.09	5.61	.07	2.03	-6.89	.37	.01	.87	.301
		7.3	32.91	-239.19	7.74	-.09	11.61	.07	2.03	-2.68	.72	.01	1.80	.180
		10.9	32.91	398.59	11.51	-.09	17.61	.07	2.03	4.45	1.07	.01	2.74	.248
		14.5	32.91	1293.39	15.28	-.09	23.61	.07	2.03	14.51	1.43	.01	3.67	.578
206- 301	120- 1	0.0	110.58	187.70	239.41	2.28	-2.03	21.56	5.75	5.38		.51	.51	.386
		8.2	110.44	11.97	15.69	2.28	-1.58	21.56	5.74	.35		.48	.63	.211
		16.3	110.19	-117.68	-208.02	2.28	-1.09	21.58	5.73	4.21		.45	.45	.345
		24.5	109.95	-195.79	-417.30	.00	.01	21.55	5.71	8.13		.25	.25	.481
		32.6	109.49	25.45	41.91	-13.14	5.96	21.55	5.71	.89		1.69	1.69	.229
206- 306	DRL- 1	0.0	-112.49	91.26	762.51	8.23	56.68	230.66	-1.23	-1.20		1.44	1.44	.086
		3.8	-113.85	2641.01	391.87	8.23	56.68	230.66	-1.25	-4.18		1.44	1.44	.190
		7.5	-114.82	5192.37	21.44	8.23	56.68	230.66	-1.26	-8.12		1.44	1.44	.323
		11.3	-115.98	7742.92	-349.00	8.23	56.68	230.66	-1.27	-12.12		1.44	1.44	.467
		15.0	-116.19	10293.45	-719.45	8.23	56.69	230.66	-1.27	-16.14		1.44	1.44	.697
301- 303	125- 1	0.0	-40.51	147.52	-555.95	-15.95	-2.81	11.75	-2.11	-9.77		1.78	1.78	.832
		7.3	-40.51	-17.58	477.83	-7.26	-1.34	11.75	-2.11	-8.43		.87	.87	.385
		14.5	-40.51	-79.02	721.80	1.70	-.05	11.75	-2.11	-12.60		.28	.23	.537
		21.7	-40.51	-19.99	175.92	16.02	1.40	11.75	-2.11	-3.12		1.24	1.29	.201
		29.0	-40.51	176.24	-1146.80	19.43	3.07	11.75	-2.11	-20.46		2.15	2.15	.803
301- 306	125- 1	0.0	-89.89	-429.65	-253.54	-12.37	1.97	.40	-4.67	-8.80		1.31	1.31	.494
		7.2	-89.91	-224.49	465.50	-4.32	2.65	.40	-4.67	-9.11		.53	.53	.504
		14.5	-89.91	17.43	524.81	2.79	2.82	.40	-4.67	-9.28		.42	.42	.509
		21.7	-89.90	251.53	11.99	6.73	2.47	.40	-4.67	-4.48		.95	.95	.351
		29.0	-89.90	462.72	-798.50	9.38	2.85	.40	-4.67	-16.27		1.01	1.01	.738
301- 401	DRL- 1	0.0	-126.68	9936.06	10.67	-16.92	-31.88	-1619.25	-1.39	-15.56		2.06	2.06	.593
		7.1	-126.65	6015.85	1108.08	-8.55	-46.40	-1619.25	-1.39	-10.49		2.30	2.30	.417
		14.2	-126.63	1966.20	1459.54	.44	-61.90	-1619.25	-1.39	-3.85		2.63	2.63	.187
		21.4	-126.60	-3945.58	1047.74	8.00	-76.38	-1619.25	-1.39	-6.39		2.95	2.95	.275
		28.5	-126.57	-10969.32	11.67	15.14	-87.39	-1619.25	-1.39	-17.16		3.21	3.21	.649
303- 306	125- 1	0.0	71.36	-363.24	-248.91	-1.20	.32	-3.02	3.71	7.76		.16	.16	.398
		7.2	71.36	-266.15	-144.26	-1.20	1.87	-3.02	3.71	5.34		.25	.26	.314
		14.5	71.36	-50.07	-39.94	-1.20	3.02	-3.02	3.71	1.13		.36	.35	.168
		21.7	71.36	237.76	64.40	-1.20	3.43	-3.02	3.71	4.34		.40	.40	.280
		29.0	71.36	527.01	168.73	-1.20	3.31	-3.02	3.71	9.76		.39	.39	.468
303- 403	DRL- 1	0.0	-28.39	10203.05	297.27	-14.53	-44.97	1452.21	-.31	-15.97		2.17	2.17	.566
		7.1	-28.36	5014.36	1227.03	-6.94	-58.15	1452.21	-.31	-9.30		2.42	2.42	.335
		14.2	-28.33	238.94	1470.35	1.21	-72.26	1452.21	-.31	-2.35		2.72	2.72	.093
		21.4	-28.30	-6511.06	1037.97	8.04	-85.14	1452.21	-.31	-10.31		3.01	3.01	.370
		28.5	-28.27	-14227.73	48.13	14.25	-94.90	1452.21	-.31	-22.26		3.24	3.24	.785

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILINGS) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
305- 406	URL- 1	0.0	-177.90	11408.68	-521.76	-13.42	-55.86	779.19	-1.95	-17.87		1.87	1.87	.695
		7.1	-177.87	6430.03	508.35	-9.28	-65.02	779.19	-1.95	-10.09		2.01	2.01	.425
		14.2	-177.84	443.01	979.85	-1.57	-76.40	779.19	-1.95	-1.71		2.29	2.29	.134
		21.4	-177.81	-6643.24	770.70	6.25	-89.92	779.19	-1.95	-10.46		2.59	2.59	.436
		28.5	-177.78	-14809.19	-39.80	12.46	-100.65	779.19	-1.95	-23.17		2.84	2.84	.879
401- 501	JL4- 1	0.0	-109.97	2600.26	23473.93	-70.09	23.92	1.18	-.43	-8.33		.58	.58	.304
		1.1	-110.82	2929.87	24052.15	-72.92	24.24	1.18	-.44	-8.66		.60	.60	.317
		2.3	-111.67	3263.91	25469.58	-75.73	24.56	1.18	-.44	-9.05		.63	.63	.330
		3.4	-112.52	3602.35	26525.11	-78.49	24.88	1.18	-.44	-9.44		.65	.65	.343
		4.6	-113.36	3945.12	27617.79	-81.16	25.20	1.18	-.45	-9.83		.67	.67	.357
401- 510	P1- 1	0.0	-9.74	2971.08	-9207.71	-20.69	27.62	747.32	-.04	-4.53		.49	.49	.159
		1.1	-10.48	3351.36	-8921.17	-20.69	27.74	747.32	-.05	-4.46		.49	.49	.156
		2.3	-11.21	3732.73	-8634.63	-20.69	27.86	747.32	-.05	-4.40		.49	.49	.155
		3.4	-11.95	4115.79	-8348.09	-20.69	27.99	747.32	-.05	-4.35		.49	.49	.153
		4.6	-12.69	4500.54	-8061.54	-20.69	28.11	747.32	-.06	-4.32		.49	.49	.152
403- 503	JL4- 1	0.0	-1504.39	5508.00	-9195.20	54.00	128.45	409.39	-5.92	-3.75		1.17	1.17	.337
		1.1	-1505.23	7282.45	-9942.09	55.17	130.81	409.39	-5.92	-4.34		1.19	1.19	.356
		2.3	-1506.08	9086.69	-10705.49	56.31	133.09	409.39	-5.92	-4.95		1.21	1.21	.378
		3.4	-1506.92	10925.02	-11483.82	57.42	135.33	409.39	-5.93	-5.59		1.23	1.23	.400
		4.6	-1507.77	12793.17	-12277.12	58.49	137.51	409.39	-5.93	-6.25		1.25	1.25	.423
403- 511	P1- 1	0.0	1598.16	7859.18	-6965.81	-8.28	40.96	414.79	7.22	4.91		.47	.47	.421
		1.1	1597.44	8421.87	-6852.28	-8.28	41.08	414.79	7.22	5.08		.48	.48	.427
		2.3	1596.70	8986.26	-6738.75	-8.28	41.21	414.79	7.22	5.25		.48	.48	.433
		3.4	1595.97	9552.33	-6625.22	-8.28	41.33	414.79	7.21	5.44		.48	.48	.439
		4.6	1595.23	10120.09	-6511.70	-8.28	41.45	414.79	7.21	5.63		.48	.48	.446
406- 506	JL4- 1	0.0	1644.86	-9721.05	1504.22	19.61	-59.32	.13	6.47	3.46		.49	.49	.345
		1.1	1644.02	-10549.31	1025.33	21.14	-61.70	.13	6.47	3.74		.51	.51	.354
		2.3	1643.17	-11409.67	725.60	22.64	-64.01	.13	6.46	4.03		.53	.53	.364
		3.4	1642.32	-12301.06	405.40	24.08	-66.24	.13	6.46	4.34		.55	.55	.375
		4.6	1641.48	-13222.55	66.55	25.49	-68.41	.13	6.46	4.66		.57	.57	.386
405- 512	P1- 1	0.0	-1837.46	-9184.02	-5804.02	-3.25	-18.06	374.52	-8.31	-4.65		.25	.25	.450
		1.1	-1838.62	-9430.95	-5759.45	-3.25	-17.94	374.52	-8.31	-4.75		.25	.25	.454
		2.3	-1839.35	-9676.19	-5714.87	-3.25	-17.82	374.52	-8.31	-4.85		.25	.25	.457
		3.4	-1840.09	-9919.75	-5670.29	-3.25	-17.70	374.52	-8.32	-4.95		.25	.25	.461
		4.6	-1840.83	-10161.63	-5625.71	-3.25	-17.57	374.52	-8.32	-5.05		.25	.25	.464
501- 502	165- 1	0.0	-51.46	459.67	836.05	2.59	-3.47	-190.61	-1.70	-8.54		1.14	1.14	.368
		3.8	-51.46	311.05	605.79	4.90	-3.08	-190.61	-1.70	-6.58		1.24	1.24	.299
		7.6	-51.46	179.92	391.11	7.18	-2.69	-190.61	-1.70	-3.85		1.36	1.36	.205
		11.4	-51.46	66.02	13.06	9.45	-2.29	-190.61	-1.70	-.61		1.50	1.50	.092
		15.1	-51.46	-27.65	-468.25	11.73	-1.90	-190.61	-1.70	-4.20		1.64	1.64	.217

3-PILE ACRN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS	BENDING STRESS Y	BENDING STRESS Z	Y SHEAR STRESS	Z SHEAR STRESS	COMB. UNITY CHECK
									KSI	KSI	KSI	KSI	KSI	
501- 504	165- 1	0.0	-296.80	-790.09	767.77	2.95	2.86	-144.25	-9.83	-9.99		.92	.92	.734
		3.8	-296.78	-650.79	601.33	5.26	3.25	-144.25	-9.83	-7.93		1.05	1.05	.658
		7.6	-296.77	-495.34	310.60	7.54	3.59	-144.25	-9.83	-5.23		1.20	1.20	.583
		11.4	-296.77	-324.74	-65.49	9.81	3.91	-144.25	-9.83	-3.00		1.35	1.35	.511
		15.1	-296.77	-140.02	-500.89	12.08	4.21	-144.25	-9.83	-5.35		1.49	1.49	.574
501- 601	JL5- 1	0.0	-304.20	4016.29	25120.79	146.27	-4.70	310.47	-2.11	-15.63		2.15	2.15	.617
		1.5	-305.22	3933.96	22446.73	144.07	-4.33	310.47	-2.11	-14.00		2.10	2.10	.560
		3.0	-306.10	3855.41	19833.70	141.57	-3.96	310.47	-2.12	-12.42		2.06	2.06	.505
		4.6	-307.14	3789.58	17279.55	136.42	-3.59	310.47	-2.13	-10.87		2.01	2.01	.452
		6.1	-308.09	3727.34	14702.13	135.36	-3.23	310.47	-2.13	-9.37		1.97	1.97	.400
501- 652	210- 1	0.0	269.72	1014.01	-1014.42	-13.38	-9.31	-264.34	6.39	6.82		1.35	1.35	.459
		5.1	267.65	511.33	-512.62	-9.76	-7.27	-264.34	6.39	2.65		1.17	1.17	.321
		10.1	269.50	129.40	160.10	-6.48	-5.32	-264.34	6.38	1.05		1.00	1.00	.253
		15.2	259.56	-138.01	478.13	-3.37	-3.50	-264.34	6.38	2.37		.84	.84	.304
		20.2	264.50	-297.90	594.76	-.50	-1.76	-264.34	6.38	3.16		.71	.71	.331
502- 503	165- 1	0.0	-32.90	6.93	-232.61	-4.64	-3.14	43.53	-1.09	-2.06		.57	.57	.118
		3.8	-32.90	-126.09	-73.40	-2.37	-2.71	43.53	-1.09	-1.51		.43	.43	.091
		7.5	-32.90	-239.64	-17.02	-.13	-2.28	43.53	-1.09	-2.15		.35	.35	.120
		11.4	-32.90	-333.74	-61.34	2.07	-1.86	43.53	-1.09	-3.04		.38	.38	.151
		15.1	-32.90	-406.39	-205.35	4.26	-1.43	43.53	-1.09	-4.09		.49	.49	.187
502- 504	125- 1	0.0	4.62	-96.31	-83.65	-.76	.70	54.24	.39	4.32		1.08	1.08	.163
		3.8	4.62	-63.26	-49.07	-.76	.85	54.24	.39	2.68		1.10	1.10	.106
		7.6	4.62	-21.33	-14.49	-.76	.99	54.24	.39	.66		1.12	1.12	.043
		11.4	4.62	26.59	20.09	-.76	1.11	54.24	.39	1.11		1.13	1.13	.052
		15.2	4.62	74.53	54.67	-.76	1.21	54.24	.39	3.23		1.15	1.15	.126
502- 505	125- 1	0.0	-25.10	-124.02	-151.99	-3.50	.56	-26.97	-2.11	-6.56		1.08	1.08	.310
		3.8	-25.10	-94.16	-27.64	-1.97	.73	-26.97	-2.11	-3.26		.84	.84	.196
		7.6	-25.09	-57.41	27.30	-.45	.88	-26.97	-2.11	-2.13		.65	.65	.156
		11.4	-25.08	-13.77	12.83	1.08	1.04	-26.97	-2.11	-.63		.74	.74	.104
		15.2	-25.08	36.70	-71.06	2.61	1.19	-26.97	-2.11	-2.68		.97	.97	.175
503- 505	165- 1	0.0	196.35	-829.66	118.54	1.54	3.26	-12.38	6.50	7.90		.29	.29	.487
		3.8	196.35	-671.79	48.66	1.54	3.69	-12.38	6.50	6.03		.32	.32	.435
		7.5	196.35	-494.48	-21.25	1.54	4.12	-12.38	6.50	4.43		.35	.35	.380
		11.4	196.35	-297.60	-91.11	1.54	4.54	-12.38	6.50	2.79		.37	.37	.323
		15.1	196.35	-82.60	-160.99	1.54	4.95	-12.38	6.50	1.62		.40	.40	.282
503- 603	JL5- 1	0.0	-1156.42	10836.01	-11261.30	-74.50	-64.56	436.23	-8.02	-9.60		1.50	1.50	.612
		1.5	-1159.36	9682.91	-9914.72	-73.12	-61.83	436.23	-8.02	-8.52		1.46	1.46	.574
		3.0	-1161.34	8579.09	-8592.94	-71.78	-59.17	436.23	-8.03	-7.46		1.42	1.42	.538
		4.6	-1161.30	7522.92	-7294.97	-70.51	-56.61	436.23	-8.04	-6.48		1.39	1.39	.503
		6.1	-1162.27	6512.65	-6019.83	-69.28	-54.14	436.23	-8.04	-5.45		1.35	1.35	.469

S T R A N   M E M B E R   D E T A I L   R E P O R T

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LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
503- 635	210- 1	0.0	-565.20	-1575.60	-264.34	-1.53	10.75	15.95	-12.90	-7.59		.52	.52	.719
		5.1	-565.24	-973.20	-182.95	-1.29	9.03	15.95	-12.90	-4.71		.44	.44	.630
		10.1	-565.28	-474.75	-111.57	-1.06	7.38	15.95	-12.90	-2.32		.37	.37	.555
		15.2	-565.31	-75.28	-54.61	-.82	5.70	15.95	-12.90	-.44		.30	.30	.497
		20.2	-565.34	220.58	-11.20	-.61	4.24	15.95	-12.91	-1.09		.23	.23	.517
504- 505	125- 1	0.0	19.35	99.65	-68.71	-2.91	-.65	-11.92	1.63	4.46		.70	.70	.211
		3.8	19.35	75.07	10.19	-1.43	-.55	-11.92	1.63	2.47		.46	.46	.142
		7.6	19.35	51.49	41.28	.07	-.42	-11.92	1.63	2.21		.27	.27	.133
		11.4	19.35	35.08	3.61	1.58	-.30	-11.92	1.63	1.18		.47	.47	.097
		15.2	19.35	24.02	-102.94	3.10	-.18	-11.92	1.63	3.55		.72	.72	.179
504- 506	165- 1	0.0	-307.32	-186.72	-437.51	-7.43	6.05	43.69	-10.18	-4.26		.83	.83	.557
		3.8	-307.32	94.63	-151.38	-5.16	6.33	43.69	-10.18	-1.60		.74	.74	.474
		7.6	-307.33	387.95	31.90	-2.91	6.57	43.69	-10.18	-3.49		.67	.67	.544
		11.4	-307.32	692.13	113.72	-.69	6.80	43.69	-10.18	-6.28		.65	.65	.640
		15.2	-307.32	1005.63	95.50	1.49	6.99	43.69	-10.18	-9.05		.67	.67	.735
505- 506	165- 1	0.0	169.20	-111.89	-334.99	-3.57	5.94	-73.48	5.60	3.16		.79	.79	.304
		3.8	169.20	166.58	-172.89	-3.57	6.30	-73.48	5.60	2.15		.81	.81	.259
		7.6	169.20	460.59	-10.76	-3.57	6.62	-73.48	5.60	4.12		.83	.83	.330
		11.4	169.20	766.05	151.52	-3.57	6.90	-73.48	5.60	7.01		.84	.84	.433
		15.2	169.20	1086.60	313.43	-3.57	7.10	-73.48	5.60	10.13		.86	.86	.546
506- 606	JL5- 1	0.0	1397.31	-9731.66	139.32	-15.52	56.46	536.65	9.67	5.98		.98	.98	.544
		1.5	1396.35	-8725.60	406.02	-13.72	53.69	536.65	9.65	5.37		.93	.93	.522
		3.0	1395.38	-7771.48	640.43	-11.99	51.00	536.65	9.66	4.79		.89	.89	.502
		4.6	1394.42	-6864.44	845.76	-10.31	48.42	536.65	9.65	4.25		.85	.85	.483
		6.1	1393.46	-6005.72	1017.00	-4.09	45.92	536.65	9.64	3.74		.81	.81	.465
505- 634	210- 1	0.0	422.59	1246.24	1592.93	16.60	-8.55	136.71	9.32	9.62		1.16	1.16	.658
		5.1	422.66	774.31	867.96	13.05	-7.08	136.71	9.32	4.92		.98	.98	.495
		10.1	422.63	386.75	3.67	9.51	-5.63	136.71	9.32	1.85		.82	.82	.386
		15.2	422.57	90.57	-470.86	6.15	-4.21	136.71	9.32	2.28		.66	.66	.403
		20.2	422.51	-123.05	-745.69	2.98	-2.83	136.71	9.32	3.60		.51	.51	.448
510- 710	P1- 1	0.0	-12.67	4549.67	-8032.59	-21.05	-16.86	1309.19	-.06	-4.32		.55	.55	.152
		6.3	-15.76	3293.66	-6431.67	-21.06	-16.18	1309.19	-.08	-3.38		.55	.55	.120
		12.7	-20.85	2089.63	-4830.75	-21.06	-15.50	1309.19	-.09	-2.46		.54	.54	.089
		19.0	-24.93	937.21	-3229.83	-21.06	-14.82	1309.19	-.11	-1.57		.54	.54	.059
		25.3	-29.02	-163.42	-1628.91	-21.06	-14.14	1309.19	-.13	-.77		.54	.54	.031
511- 711	P1- 1	0.0	1595.32	10079.77	-6574.35	-6.35	-51.91	512.25	7.21	5.63		.59	.59	.446
		6.3	1591.24	6159.08	-6091.51	-6.35	-51.22	512.25	7.19	4.05		.59	.59	.390
		12.7	1587.15	2290.18	-5608.67	-6.35	-50.54	512.25	7.17	2.83		.58	.58	.348
		19.0	1583.06	-1526.93	-5125.83	-6.35	-49.86	512.25	7.15	2.50		.57	.57	.335
		25.3	1578.98	-5292.24	-4642.99	-6.35	-49.18	512.25	7.14	3.29		.57	.57	.362

LOAD CONDITION NO. 4

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
512- 712	P1- 1	0.0	-1840.91	-10161.63	-3625.57	-3.25	49.37	650.77	-8.32	-5.05		.60	.60	.464
		6.3	-1845.00	-6381.99	-3378.45	-3.25	50.05	650.77	-8.34	-3.38		.61	.61	.407
		12.7	-1849.09	-2550.52	-3131.33	-3.25	50.73	650.77	-8.36	-1.89		.61	.61	.362
		19.0	-1853.18	1332.60	-2884.20	-3.25	51.41	650.77	-8.37	-1.49		.62	.62	.351
		25.3	-1857.27	5267.96	-2637.08	-3.25	52.10	650.77	-8.39	-2.76		.62	.62	.390
601- 631	JL5- 1	0.0	-320.09	3487.67	14310.35	113.63	-12.44	1078.95	-2.21	-9.05		1.92	1.92	.392
		1.5	-321.00	3265.72	12200.14	110.87	-12.10	1078.95	-2.22	-7.80		1.87	1.87	.349
		3.0	-322.02	3046.18	10203.31	107.99	-11.76	1078.95	-2.23	-6.58		1.83	1.83	.307
		4.6	-322.98	2834.08	8318.27	105.20	-11.42	1078.95	-2.23	-5.40		1.80	1.80	.266
		6.1	-323.94	2629.35	6423.06	102.51	-11.09	1078.95	-2.24	-4.26		1.76	1.76	.227
633- 633	JL5- 1	0.0	-1169.51	6554.76	-5455.80	-53.76	-55.35	168.87	-8.09	-5.31		1.12	1.12	.465
		1.5	-1170.47	5557.08	-4485.50	-52.57	-52.93	168.87	-8.10	-4.46		1.08	1.08	.436
		3.0	-1171.43	4422.60	-3956.93	-51.40	-50.59	168.87	-8.11	-3.64		1.05	1.05	.408
		4.6	-1172.39	3520.00	-3009.26	-50.27	-48.34	168.87	-8.11	-2.85		1.02	1.02	.381
		6.1	-1173.35	2657.62	-2101.54	-49.20	-46.16	168.87	-8.12	-2.08		.99	.99	.354
635- 636	JL5- 1	0.0	1393.46	-6003.72	1017.01	-8.69	45.92	530.65	9.64	3.74		.81	.81	.465
		1.5	1392.50	-5187.90	1161.05	-7.11	43.50	530.65	9.64	3.27		.77	.77	.448
		3.0	1391.54	-4415.71	1275.59	-5.56	41.14	530.65	9.63	2.82		.74	.74	.433
		4.6	1390.57	-3685.78	1364.40	-4.07	38.87	530.65	9.62	2.42		.71	.71	.418
		6.1	1389.62	-2996.55	1425.45	-2.63	36.66	530.65	9.62	2.04		.67	.67	.405
631- 651	JL6- 1	0.0	-324.01	2661.94	6411.49	102.19	-12.05	1067.77	-2.24	-4.27		1.75	1.75	.227
		1.5	-323.94	2445.33	4582.87	98.28	-11.70	1067.77	-2.24	-3.19		1.70	1.70	.189
		3.0	-323.87	2235.00	2824.80	94.45	-11.36	1067.77	-2.24	-2.21		1.64	1.64	.155
		4.6	-323.79	2030.82	1135.45	90.75	-11.02	1067.77	-2.24	-1.43		1.59	1.59	.128
		6.1	-323.73	1832.68	-487.28	87.14	-10.70	1067.77	-2.24	-1.17		1.54	1.54	.119
632- 703	Z10- 1	0.0	269.50	-297.67	594.74	-.46	-1.73	-264.41	6.38	3.16		.71	.71	.331
		5.5	269.43	-333.34	479.62	3.90	.62	-264.41	6.38	2.78		.80	.80	.318
		11.0	269.36	-219.70	67.24	7.95	2.81	-264.41	6.38	1.12		1.00	1.00	.261
		16.4	269.30	32.58	-562.62	11.73	4.84	-264.41	6.38	2.68		1.19	1.19	.315
		21.9	269.23	414.47	-1450.20	15.21	6.74	-264.41	6.38	7.17		1.36	1.36	.470
633- 653	JL6- 1	0.0	-1173.32	2000.03	-2008.24	-48.00	-48.05	174.00	-8.12	-2.08		.99	.99	.354
		1.5	-1173.25	1616.95	-1225.43	-46.58	-45.26	174.00	-8.12	-1.35		.95	.95	.329
		3.0	-1173.18	1015.95	-388.08	-45.21	-42.55	174.00	-8.12	-.67		.91	.91	.305
		4.6	-1173.10	263.38	424.65	-43.89	-39.95	174.00	-8.12	-.31		.87	.87	.293
		6.1	-1173.02	-442.45	1213.62	-42.60	-37.45	174.00	-8.12	-.79		.84	.84	.309
634- 701	Z10- 1	0.0	422.51	-122.98	-746.75	2.90	-2.97	136.44	9.32	3.60		.51	.51	.448
		5.5	422.47	-256.11	-779.89	-1.64	-1.09	136.44	9.31	3.90		.42	.42	.459
		11.0	422.43	-257.35	-509.72	-6.33	.75	136.44	9.31	2.74		.61	.61	.418
		16.5	422.37	-160.25	47.79	-10.57	2.49	136.44	9.31	.79		.81	.81	.351
		21.9	422.30	50.08	875.63	-14.56	4.15	136.44	9.31	4.17		1.00	1.00	.468

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FA KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
655- 706	210- 1	0.0	-565.34	226.59	-11.25	-.78	4.18	15.89	-12.91	-1.09		.23	.23	.521
		5.5	-565.38	415.74	29.26	-.45	1.54	15.89	-12.91	-1.98		.11	.11	.550
		11.0	-565.43	434.74	49.05	-.15	-.94	15.89	-12.91	-2.08		.08	.08	.553
		16.4	-565.45	294.96	50.15	.12	-3.28	15.89	-12.91	-1.42		.18	.18	.532
		21.9	-565.49	5.92	38.25	.37	-5.48	15.89	-12.91	-.17		.28	.28	.492
650- 656	JL6- 1	0.0	1369.62	-2996.53	1425.45	-2.65	36.68	536.85	9.62	2.04		.67	.67	.405
		1.5	1369.66	-2350.26	1452.79	-.38	33.07	536.85	9.62	1.70		.62	.62	.393
		3.0	1369.76	-1789.04	1439.44	1.63	29.54	536.85	9.62	1.41		.57	.57	.383
		4.6	1369.84	-1281.20	1365.39	3.97	26.13	536.85	9.62	1.16		.53	.53	.374
		6.1	1369.91	-834.89	1274.43	6.05	22.80	536.85	9.62	.95		.49	.49	.367
651- 701	JL6- 1	0.0	-336.45	1802.11	263.43	40.02	-22.75	2065.45	-2.33	-1.12		1.27	1.27	.121
		1.8	-336.36	1321.19	-544.81	35.94	-22.42	2065.45	-2.33	-.86		1.22	1.22	.112
		3.5	-336.27	847.20	-1267.84	32.00	-22.10	2065.45	-2.33	-.94		1.17	1.17	.114
		5.3	-336.18	379.94	-1908.34	28.19	-21.79	2065.45	-2.33	-1.20		1.13	1.13	.123
		7.1	-336.09	-80.80	-2469.00	24.50	-21.49	2065.45	-2.33	-1.52		1.08	1.08	.134
653- 703	JL5- 1	0.0	-1225.00	-272.65	1198.60	-14.27	-24.69	-50.54	-8.48	-.76		.41	.41	.321
		1.8	-1224.91	-766.01	1486.60	-12.80	-21.86	-50.54	-8.48	-1.03		.37	.37	.330
		3.5	-1224.82	-1204.53	1744.00	-11.39	-19.16	-50.54	-8.48	-1.30		.33	.33	.340
		5.3	-1224.72	-1584.61	1972.15	-10.05	-16.56	-50.54	-8.47	-1.55		.29	.29	.346
		7.1	-1224.64	-1910.32	2172.27	-8.76	-14.05	-50.54	-8.47	-1.78		.25	.25	.356
656- 706	JL6- 1	0.0	1389.92	-834.89	1294.58	6.05	22.16	537.45	9.62	.95		.46	.46	.367
		1.8	1390.00	-405.39	1140.51	8.40	18.40	537.45	9.62	.74		.45	.45	.360
		3.5	1390.09	-50.65	937.20	10.66	14.76	537.45	9.62	.56		.42	.42	.354
		5.3	1390.18	225.92	686.11	12.89	11.24	537.45	9.62	.44		.40	.40	.350
		7.1	1390.27	428.87	388.86	15.02	7.84	537.45	9.62	.36		.40	.40	.346
701- 702	137- 1	0.0	52.45	76.91	74.94	-2.54	-.73	-9.83	3.61	2.45		.47	.47	.211
		4.7	52.65	39.14	158.51	-.45	-.62	-9.83	3.61	3.73		.22	.22	.255
		9.4	52.65	7.44	123.31	1.68	-.51	-9.83	3.61	2.82		.35	.35	.223
		14.1	52.65	-18.20	-30.55	3.79	-.40	-9.83	3.61	.81		.63	.63	.158
		18.8	52.65	-37.78	-303.04	5.90	-.29	-9.83	3.61	6.97		.92	.92	.367
701- 704	137- 1	0.0	-43.89	8.71	73.13	-2.56	-.34	-6.47	-3.01	-1.68		.45	.45	.208
		4.7	-43.87	-7.17	157.95	-.46	-.23	-6.47	-3.01	-3.61		.17	.17	.275
		9.4	-43.87	-17.09	125.43	1.61	-.16	-6.47	-3.01	-2.89		.32	.32	.250
		14.1	-43.87	-25.05	-23.01	3.67	-.10	-6.47	-3.01	-.78		.60	.60	.176
		18.8	-43.87	-28.80	-287.29	5.72	-.04	-6.47	-3.01	-6.59		.88	.88	.378
701- 801	JL7- 1	0.0	109.30	-337.20	-2460.51	16.04	.84	577.60	1.55	3.16		.84	.84	.163
		8.6	113.41	-215.54	-3379.80	1.32	1.49	577.60	1.60	4.31		.42	.42	.205
		17.2	117.52	-37.15	-2800.07	-12.25	1.92	577.60	1.66	3.56		.72	.72	.181
		25.9	121.61	175.67	-902.00	-24.19	2.16	577.60	1.72	1.17		1.05	1.05	.100
		34.5	125.74	401.91	2152.21	-34.70	2.16	577.60	1.78	2.78		1.35	1.35	.158

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
701- 606	200- 1	0.0	-294.33	-477.14	-952.66	-15.73	5.10	29.47	-7.74	-5.96		.85	.85	.596
		13.6	-294.26	132.07	597.42	-5.45	2.41	29.47	-7.73	-3.42		.40	.40	.499
		27.2	-294.23	325.93	865.70	1.76	-.02	29.47	-7.73	-5.28		.18	.18	.569
		40.5	-294.13	140.15	71.89	8.04	-2.19	29.47	-7.73	-.88		.52	.52	.402
		54.4	-294.04	-382.03	-1695.96	13.53	-4.21	29.47	-7.73	-9.73		.83	.83	.739
702- 705	137- 1	0.0	62.41	-51.93	-166.73	-4.37	-.08	5.52	4.28	3.87		.66	.66	.283
		4.7	62.41	-33.16	20.07	-2.26	.03	5.52	4.28	.88		.37	.37	.179
		9.4	62.41	-20.32	89.00	-.19	.14	5.52	4.28	2.13		.10	.10	.223
		14.1	62.41	-17.41	41.82	1.87	.25	5.52	4.28	1.03		.32	.32	.185
		18.8	62.41	-.45	-121.40	3.93	.36	5.52	4.28	2.77		.60	.60	.245
702- 704	127- 1	0.0	-.51	-5.05	4.36	.02	-.08	5.45	-.04	-.22		.11	.11	.010
		4.7	-.51	-6.95	3.26	.02	.01	5.45	-.04	-.26		.10	.10	.011
		9.4	-.51	-3.57	2.20	.02	.11	5.45	-.04	-.14		.11	.11	.007
		14.1	-.51	4.96	1.11	.02	.19	5.45	-.04	-.17		.12	.12	.008
		18.8	-.51	17.03	.03	.02	.24	5.45	-.04	-.57		.13	.13	.022
702- 705	127- 1	0.0	-13.54	-6.97	-140.66	-3.77	-.14	-.97	-1.14	-4.71		.65	.65	.210
		4.7	-13.51	-14.07	19.98	-1.94	-.04	-.97	-1.13	-.82		.34	.34	.075
		9.4	-13.50	-13.09	78.89	-.15	.05	-.97	-1.13	-2.67		.04	.04	.139
		14.1	-13.50	-8.43	56.84	1.64	.14	-.97	-1.13	-1.26		.29	.29	.090
		18.8	-13.50	2.30	-105.46	3.42	.24	-.97	-1.13	-3.53		.59	.59	.169
703- 705	137- 1	0.0	-7.75	-17.97	-99.62	-.96	-.24	-2.41	-.53	-2.31		.16	.16	.107
		4.7	-7.75	-26.52	-45.50	-.96	-.13	-2.41	-.53	-1.23		.16	.16	.069
		9.4	-7.75	-32.99	8.61	-.96	-.03	-2.41	-.53	-.78		.16	.16	.053
		14.1	-7.75	-31.40	62.72	-.96	.08	-2.41	-.53	-1.60		.16	.16	.082
		18.8	-7.75	-23.74	116.83	-.96	.19	-2.41	-.53	-2.72		.16	.16	.121
703- 801	200- 1	0.0	-202.20	-514.40	1514.20	16.30	3.79	24.34	-6.89	-9.48		.95	.95	.679
		13.6	-202.12	-32.97	-346.70	7.88	2.12	24.34	-6.89	-1.95		.50	.50	.400
		27.2	-202.03	185.53	-1000.96	.26	.56	24.34	-6.89	-5.70		.10	.10	.538
		40.8	-201.95	156.09	-476.62	-6.54	-.93	24.34	-6.89	-2.81		.42	.42	.431
		54.4	-201.83	-114.42	1094.65	-12.64	-2.40	24.34	-6.88	-6.16		.74	.74	.555
703- 803	307- 1	0.0	-879.69	-2099.36	1569.87	-5.67	-10.67	745.41	-12.45	-3.35		.82	.82	.565
		8.6	-875.58	-2069.01	1806.29	-.21	-.67	745.41	-12.39	-4.16		.49	.49	.548
		17.2	-871.47	-2291.27	1658.49	4.50	7.76	745.41	-12.33	-3.60		.73	.73	.568
		25.9	-867.36	-1108.10	977.55	8.57	14.92	745.41	-12.27	-1.88		.96	.96	.513
		34.5	-863.24	755.16	-95.92	12.11	20.96	745.41	-12.21	-.97		1.16	1.16	.483
704- 705	127- 1	0.0	13.82	10.74	-148.18	-3.76	-.15	-4.75	1.16	4.97		.71	.71	.213
		4.7	13.82	3.06	13.99	-2.00	-.10	-4.75	1.16	.49		.42	.42	.057
		9.4	13.82	-.34	76.14	-.21	-.05	-4.75	1.16	2.55		.12	.12	.129
		14.1	13.82	-1.61	58.11	1.57	.01	-4.75	1.16	1.28		.34	.34	.085
		18.8	13.82	1.09	-100.41	3.57	.10	-4.75	1.16	3.36		.65	.65	.157

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
704- 706	137- 1	0.0	-54.27	-26.26	-139.06	-5.92	.35	20.70	-5.72	-3.23		.78	.78	.284
		4.7	-54.27	-5.53	24.30	-1.90	.38	20.70	-5.72	-.57		.50	.50	.202
		9.4	-54.25	16.27	75.06	.09	.39	20.70	-5.72	-1.75		.29	.29	.239
		14.1	-54.26	38.85	14.83	2.05	.41	20.70	-5.72	-.95		.52	.52	.217
		18.8	-54.26	61.95	-155.12	3.98	.40	20.70	-5.72	-3.81		.78	.78	.303
705- 706	137- 1	0.0	-27.28	-28.10	-89.05	-.06	.53	-3.46	-1.87	-2.13		.15	.15	.167
		4.7	-27.28	3.99	-52.12	-.06	.61	-3.46	-1.87	-1.19		.16	.16	.134
		9.4	-27.26	39.75	-15.19	-.06	.66	-3.46	-1.87	-.97		.17	.17	.127
		14.1	-27.28	77.62	21.74	-.06	.66	-3.46	-1.87	-1.84		.17	.17	.157
		18.8	-27.28	116.04	59.66	-.06	.68	-3.46	-1.87	-2.97		.17	.17	.196
705- 805	200- 1	0.0	526.91	1480.65	-150.07	-1.28	-13.28	25.81	13.85	8.33		.77	.77	.770
		13.6	527.01	-146.52	2.06	-.60	-6.69	25.81	13.85	.82		.43	.43	.510
		27.2	527.11	-734.46	48.96	.01	-.62	25.81	13.86	4.12		.10	.10	.624
		40.8	527.16	-388.92	4.84	.52	4.69	25.81	13.86	2.18		.32	.32	.557
		54.4	527.24	746.25	-118.81	.97	9.08	25.31	13.86	4.23		.55	.55	.628
706- 806	3L7- 1	0.0	688.71	1836.63	1225.45	-8.92	17.61	274.98	9.74	2.81		.73	.73	.436
		8.6	692.81	2872.52	1673.08	.01	2.70	274.98	9.80	4.23		.25	.25	.487
		17.2	696.92	2454.48	1256.02	7.06	-10.54	274.98	9.86	3.51		.55	.55	.464
		25.9	701.05	736.80	76.78	14.84	-22.46	274.98	9.92	.94		.94	.94	.377
		34.5	705.14	-2146.80	-1783.93	21.06	-33.22	274.98	9.98	3.55		1.29	1.29	.470
710- 810	P2- 1	0.0	-29.03	-164.81	-1628.16	-21.06	2.23	1544.69	-.12	-.68		.49	.49	.028
		8.6	-35.35	120.15	549.11	-21.06	3.28	1544.69	-.14	-.23		.49	.49	.013
		17.2	-41.66	513.75	2726.30	-21.06	4.33	1544.69	-.17	-1.16		.49	.49	.046
		25.9	-47.98	1016.05	4903.65	-21.06	5.38	1544.69	-.19	-2.09		.49	.49	.080
		34.5	-54.30	1627.04	7080.92	-21.06	6.43	1544.69	-.22	-3.03		.50	.50	.113
711- 811	P2- 1	0.0	1578.93	-5287.87	-4646.49	-6.02	-.05	1921.07	6.28	2.93		.45	.45	.320
		8.6	1572.61	-5239.04	-3961.71	-6.02	1.00	1921.07	6.26	2.74		.45	.45	.312
		17.2	1566.29	-5081.53	-3276.92	-6.02	2.05	1921.07	6.23	2.52		.46	.46	.304
		25.9	1559.96	-4815.33	-2592.13	-6.02	3.10	1921.07	6.21	2.28		.46	.46	.295
		34.5	1553.66	-4440.45	-1907.35	-6.02	4.15	1921.07	6.18	2.01		.46	.46	.285
712- 812	P2- 1	0.0	-1857.20	5267.98	-2835.84	-3.25	-5.95	996.61	-7.39	-2.45		.26	.26	.352
		8.6	-1863.51	4706.75	-2300.56	-3.25	-4.90	996.61	-7.41	-2.18		.25	.25	.345
		17.2	-1869.83	4254.45	-1964.47	-3.25	-3.85	996.61	-7.44	-1.95		.25	.25	.339
		25.9	-1876.14	3911.06	-1628.38	-3.25	-2.79	996.61	-7.46	-1.77		.24	.24	.334
		34.5	-1882.46	3676.58	-1292.30	-3.25	-1.74	996.61	-7.49	-1.62		.24	.24	.331
801- 802	160- 1	0.0	131.49	142.61	435.52	-.75	-.81	-16.02	5.40	5.01		.19	.19	.361
		5.9	131.49	88.10	416.54	1.25	-.73	-16.02	5.40	4.65		.22	.22	.349
		11.8	131.49	39.54	258.77	3.20	-.64	-16.02	5.40	2.86		.37	.37	.287
		17.7	131.49	-1.06	-37.41	5.15	-.50	-16.02	5.40	.41		.52	.52	.202
		23.7	131.49	-31.65	-472.05	7.10	-.56	-16.02	5.40	5.17		.68	.68	.367

LOAD CONDITION NO. 9

3-PILE ACAR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
801- 804	180- 1	0.0	41.59	-59.11	426.36	-1.07	-.09	-20.63	1.71	4.72		.20	.20	.223
		5.9	41.56	-72.05	431.86	.92	-.01	-20.63	1.71	4.79		.19	.19	.226
		11.8	41.57	-70.31	296.24	2.90	.07	-20.63	1.71	3.33		.35	.35	.175
		17.7	41.55	-62.10	19.65	4.89	.16	-20.63	1.71	.71		.51	.51	.064
		23.7	41.55	-46.01	-397.41	6.85	.24	-20.63	1.71	4.38		.68	.68	.211
801-1001	JL5- 1	0.0	-21.18	594.55	1097.89	21.09	-.85	368.04	-.30	-2.53		.85	.85	.099
		8.6	-17.08	500.57	157.25	12.11	-.99	368.04	-.24	-.67		.58	.58	.032
		17.2	-13.00	386.01	-634.64	3.34	-1.26	368.04	-.18	-.94		.33	.33	.040
		25.9	-8.87	234.44	-554.87	-4.07	-1.73	368.04	-.13	-.77		.37	.37	.031
		34.5	-4.79	13.91	200.50	-9.06	-2.51	368.04	-.07	-.26		.50	.50	.011
801-1002	160- 1	0.0	173.01	254.86	-373.90	-5.90	-5.58	-46.51	7.11	5.01		.82	.82	.421
		10.4	173.06	-56.12	104.94	-2.02	-1.61	-46.51	7.11	1.90		.52	.52	.313
		20.8	173.11	-145.61	340.65	-.04	.14	-46.51	7.11	4.05		.27	.27	.388
		31.1	173.17	-28.04	165.91	2.40	1.72	-46.51	7.11	2.05		.50	.50	.318
		41.5	173.24	284.67	-213.47	3.85	2.45	-46.51	7.12	3.55		.61	.61	.370
801-1004	160- 1	0.0	-198.99	-316.04	-324.07	-5.69	3.50	-49.10	-8.17	-4.95		.82	.82	.567
		10.4	-198.76	13.76	190.16	-2.02	1.76	-49.10	-8.17	-2.06		.53	.53	.458
		20.8	-198.91	128.66	341.33	.15	.11	-49.10	-8.17	-3.99		.28	.28	.530
		31.1	-198.86	45.01	161.30	2.09	-1.40	-49.10	-8.17	-1.83		.52	.52	.449
		41.5	-198.85	-159.46	-271.46	3.94	-2.20	-49.10	-8.17	-3.62		.64	.64	.516
802- 803	150- 1	0.0	140.19	-29.06	-298.27	-4.46	-.44	38.75	5.76	3.28		.58	.56	.314
		5.9	140.19	-55.50	-51.24	-2.51	-.30	38.75	5.76	.83		.42	.42	.229
		11.8	140.19	-72.03	58.67	-.60	-.16	38.75	5.76	1.02		.26	.26	.235
		17.7	140.19	-76.41	34.18	1.29	-.02	38.75	5.76	.93		.32	.32	.232
		23.7	140.19	-74.72	-124.12	3.16	.12	38.75	5.76	1.58		.47	.47	.255
802- 804	140- 1	0.0	-1.45	-26.15	-29.57	-.26	.10	12.68	-.12	-1.36		.26	.26	.053
		5.9	-1.45	-14.06	-10.76	-.26	.16	12.68	-.12	-.73		.26	.26	.031
		11.8	-1.45	-5.78	7.80	-.26	.22	12.68	-.12	-.33		.27	.27	.017
		17.7	-1.45	11.69	26.40	-.26	.26	12.68	-.12	-.97		.28	.28	.039
		23.7	-1.45	33.37	45.10	-.26	.33	12.68	-.12	-1.66		.28	.28	.070
802- 805	140- 1	0.0	-13.40	-25.41	-144.41	-2.68	-.01	-8.11	-1.13	-4.90		.62	.62	.219
		5.9	-13.43	-24.28	11.27	-1.50	.05	-8.11	-1.13	-.90		.39	.39	.080
		11.8	-13.45	-18.76	69.04	-.12	.10	-8.11	-1.13	-2.39		.16	.16	.132
		17.7	-13.47	-9.49	29.00	1.25	.16	-8.11	-1.13	-1.02		.35	.35	.085
		23.7	-13.50	4.27	-108.86	2.63	.22	-8.11	-1.13	-3.64		.58	.58	.176
803- 805	180- 1	0.0	-149.45	-247.27	-106.62	-1.09	.49	6.66	-6.14	-2.94		.13	.13	.414
		5.9	-149.45	-207.55	-29.04	-1.09	.63	6.66	-6.14	-2.29		.14	.14	.392
		11.8	-149.45	-157.75	48.55	-1.09	.77	6.66	-6.14	-1.80		.15	.15	.373
		17.7	-149.45	-98.08	126.13	-1.09	.90	6.66	-6.14	-1.75		.15	.15	.365
		23.7	-149.45	-51.09	203.71	-1.09	.99	6.66	-6.14	-2.25		.16	.16	.377

S T R A N M E M B E R D E T A I L R E P O R T

LOAD CONDITION NO. 9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z ----KSI-----	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
503-1002	100- 1	0.0	-174.36	-229.15	593.60	6.69	2.25	-51.54	-7.16	-6.96		.86	.86	.586
		10.4	-174.31	-18.95	-30.84	3.38	1.14	-51.54	-7.16	-.40		.57	.57	.347
		20.8	-174.28	62.29	-259.29	.33	.16	-51.54	-7.16	-2.91		.31	.31	.439
		31.1	-174.27	20.93	-120.46	-2.50	-.80	-51.54	-7.16	-1.34		.50	.50	.381
		41.5	-174.24	-103.09	292.74	-3.78	-1.11	-51.54	-7.16	-3.39		.61	.61	.456
503-1003	100- 1	0.0	-83.89	199.78	38.54	-5.36	-7.89	786.21	-1.19	-.25		.77	.77	.053
		8.6	-79.76	-342.23	452.37	-2.51	-2.74	786.21	-1.13	-.70		.60	.60	.066
		17.2	-75.70	-394.46	527.50	.41	1.60	786.21	-1.07	-.84		.55	.55	.069
		25.9	-71.60	-36.75	357.30	2.77	5.12	786.21	-1.01	-.46		.66	.66	.053
		34.5	-67.51	552.09	18.90	3.32	5.47	786.21	-.96	-.70		.68	.68	.060
503-1005	100- 1	0.0	-365.49	-496.63	-72.22	-.89	5.59	-21.23	-15.01	-5.51		.58	.58	.968
		10.4	-365.45	17.68	9.24	-.42	2.71	-21.23	-15.01	-.22		.34	.34	.708
		20.8	-365.40	185.44	36.06	-.00	.00	-21.23	-15.01	-2.06		.12	.12	.799
		31.1	-365.36	25.41	12.25	.37	-2.55	-21.23	-15.01	-.31		.33	.33	.712
		41.5	-365.31	-401.52	-48.51	.55	-3.96	-21.23	-15.00	-4.42		.44	.44	.914
504- 805	100- 1	0.0	14.91	29.53	-174.82	-3.02	-.20	-6.84	1.25	5.93		.62	.62	.249
		5.9	14.91	17.73	-4.98	-1.66	-.14	-6.84	1.25	.66		.39	.39	.067
		11.8	14.91	10.13	60.31	-.30	-.06	-6.84	1.25	2.04		.17	.17	.115
		17.7	14.91	6.75	33.12	1.06	-.02	-6.84	1.25	1.13		.29	.29	.083
		23.7	14.91	7.52	-91.01	2.45	.04	-6.84	1.25	3.05		.53	.53	.150
504- 806	100- 1	0.0	30.53	-51.14	-177.49	-3.43	.77	43.62	1.25	2.02		.53	.53	.114
		5.9	30.53	6.51	-1.91	-1.52	.85	43.62	1.25	.07		.38	.38	.046
		11.8	30.54	70.03	38.20	.39	.94	43.62	1.25	.87		.32	.32	.074
		17.8	30.55	139.43	-56.92	2.29	1.02	43.62	1.25	1.65		.44	.44	.101
		23.7	30.56	214.71	-287.59	4.20	1.10	43.62	1.26	3.92		.60	.60	.180
505- 806	100- 1	0.0	-108.05	-45.65	5.83	.26	1.25	-4.19	-6.90	-.50		.13	.13	.364
		5.9	-108.05	45.95	-14.89	.26	1.33	-4.19	-6.90	-.53		.13	.13	.365
		11.8	-108.05	143.43	-33.61	.26	1.41	-4.19	-6.90	-1.61		.14	.14	.406
		17.9	-108.05	246.79	-52.33	.26	1.50	-4.19	-6.90	-2.76		.15	.15	.451
		23.7	-108.05	356.03	-71.05	.26	1.58	-4.19	-6.90	-3.97		.15	.15	.497
506-1004	100- 1	0.0	198.75	194.62	646.84	6.98	-2.27	-45.05	8.16	7.38		.85	.85	.540
		10.4	198.83	-8.71	-8.12	3.59	-1.01	-45.05	8.17	.13		.55	.55	.288
		20.8	198.88	-65.93	-260.94	.51	.06	-45.05	8.17	2.94		.29	.29	.386
		31.1	198.93	5.88	-142.58	-2.32	1.06	-45.05	8.17	1.56		.46	.46	.338
		41.5	198.98	174.09	253.75	-3.71	1.53	-45.05	8.17	3.37		.58	.58	.401
506-1005	100- 1	0.0	303.34	587.36	-58.19	-.84	-6.13	-6.51	14.92	6.45		.54	.54	.742
		10.4	303.37	16.20	19.68	-.42	-3.09	-6.51	14.92	.28		.29	.29	.528
		20.8	303.42	-190.19	45.79	-.01	-.26	-6.51	14.93	2.14		.06	.06	.593
		31.1	303.49	-57.45	24.31	.37	2.32	-6.51	14.93	.68		.23	.23	.542
		41.5	303.50	318.47	-37.01	.57	3.41	-6.51	14.93	3.50		.32	.32	.640

LOAD CONDITION NO. 7

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
806-1006	JL6- 1	0.0	51.74	-1487.59	-2165.76	-15.96	20.96	860.50	.72	3.36		1.30	1.30	.142
		8.6	54.04	155.70	-633.00	-10.25	10.94	860.50	.78	1.08		.98	.98	.064
		17.2	55.93	799.94	-47.76	-4.99	1.63	860.50	.83	1.02		.70	.70	.064
		25.9	63.04	510.98	212.42	-.13	-7.09	860.50	.89	.70		.75	.75	.055
		34.5	67.15	-565.59	43.10	2.99	-13.05	860.50	.95	.72		.93	.93	.058
810-1010	P2- 1	0.0	-54.26	1020.65	7081.82	-21.06	-7.97	1409.94	-.22	-3.03		.47	.47	.113
		8.6	-60.60	650.47	9259.31	-21.06	-6.92	1409.94	-.24	-3.87		.47	.47	.144
		17.2	-66.71	189.14	11436.81	-21.06	-5.87	1409.94	-.27	-4.77		.47	.47	.176
		25.9	-73.23	-365.33	13614.31	-21.06	-4.82	1409.94	-.29	-5.68		.47	.47	.208
		34.5	-79.54	-606.95	15791.81	-21.06	-3.76	1409.94	-.32	-6.59		.46	.46	.241
811-1011	P2- 1	0.0	1553.53	-4441.06	-1905.46	-6.40	34.69	2394.65	6.18	2.01		.78	.78	.285
		8.6	1547.32	-690.35	-1241.52	-6.40	35.74	2394.65	6.16	.62		.79	.79	.235
		17.2	1541.00	2956.01	-579.56	-6.40	36.79	2394.65	6.13	1.25		.80	.80	.256
		25.9	1534.69	6609.22	82.41	-6.40	37.85	2394.65	6.11	2.84		.80	.80	.311
		34.5	1528.37	10777.29	744.37	-6.40	38.90	2394.65	6.08	4.50		.81	.81	.360
812-1012	P2- 1	0.0	-1882.41	3076.55	-1289.65	-3.25	-55.91	2447.65	-7.49	-1.62		.80	.80	.331
		8.6	-1888.72	17.50	-953.79	-3.25	-54.86	2447.65	-7.51	-.40		.79	.79	.294
		17.2	-1895.04	-3532.07	-617.72	-3.25	-53.81	2447.65	-7.54	-1.49		.78	.78	.329
		25.9	-1901.35	-6974.23	-281.65	-3.25	-52.76	2447.65	-7.57	-2.91		.77	.77	.373
		34.5	-1907.67	-10507.07	54.42	-3.25	-51.71	2447.65	-7.59	-4.30		.76	.76	.416
1001-1002	180- 1	0.0	22.35	146.22	725.79	2.31	-.55	126.35	.81	6.31		.71	.71	.247
		7.1	22.35	92.63	516.92	2.52	-.69	126.35	.81	4.49		.73	.73	.184
		14.3	22.35	27.19	291.77	2.73	-.84	126.35	.81	2.50		.75	.75	.115
		21.4	22.35	-50.70	51.34	2.88	-.98	126.35	.81	.62		.76	.76	.050
		28.5	22.35	-140.02	-201.41	3.02	-1.12	126.35	.81	2.10		.77	.77	.101
1001-1004	180- 1	0.0	11.94	-167.92	718.87	2.18	1.19	100.12	.43	6.31		.61	.61	.234
		7.1	11.92	-71.90	521.11	2.44	1.05	100.12	.43	4.50		.62	.62	.171
		14.3	11.91	11.09	301.33	2.69	.91	100.12	.43	2.56		.63	.63	.105
		21.4	11.89	83.44	59.56	2.95	.76	100.12	.43	.88		.65	.65	.045
		28.6	11.57	142.75	-204.23	3.21	.62	100.12	.43	2.13		.67	.67	.089
1002-1003	180- 1	0.0	229.84	175.01	36.78	.98	-.90	-61.89	8.36	1.53		.36	.36	.343
		7.1	229.84	91.95	-52.22	1.08	-1.04	-61.89	8.36	.90		.37	.37	.322
		14.3	229.84	-3.35	-147.99	1.15	-1.18	-61.89	8.36	1.27		.38	.38	.334
		21.4	229.84	-110.69	-249.86	1.22	-1.33	-61.89	8.36	2.34		.40	.40	.372
		28.6	229.84	-230.08	-357.23	1.27	-1.47	-61.89	8.36	3.63		.41	.41	.417
1002-1004	140- 1	0.0	.42	-163.95	-59.80	-.35	.94	16.90	.04	5.83		.48	.48	.204
		7.1	.42	-83.26	-29.42	-.35	.94	16.90	.04	2.95		.48	.48	.104
		14.3	.42	-2.00	.77	-.35	.94	16.90	.04	.09		.48	.48	.004
		21.4	.42	78.07	30.96	-.35	.94	16.90	.04	2.81		.48	.48	.099
		28.5	.42	158.74	61.14	-.35	.94	16.90	.04	5.69		.48	.48	.199

S T R A N   M E M B E R   D E T A I L   R E P O R T

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LOAD CONDITION NO. 9

3-PILE ACRN STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /---------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS --------/	COMB. UNITY CHECK
1002-1005	140- 1	0.0	-11.36	-91.92	-52.80	-.40	.42	-12.80	-.96	-3.54		.31	.31	.168
		7.1	-11.40	-55.57	-22.30	-.31	.42	-12.60	-.95	-2.00		.30	.30	.115
		14.3	-11.35	-19.23	-.27	-.21	.42	-12.50	-.95	-.64		.29	.29	.063
		21.4	-11.46	17.12	13.45	-.11	.42	-12.60	-.95	-.75		.29	.29	.071
		29.5	-11.36	53.46	18.82	-.01	.42	-12.60	-.95	-1.90		.29	.29	.111
1003-1005	150- 1	0.0	219.11	-485.51	231.97	.59	2.49	5.44	7.97	4.61		.22	.22	.437
		7.1	219.01	-279.34	172.46	.69	2.35	5.44	7.97	2.91		.21	.21	.374
		14.3	219.01	-84.41	113.79	.69	2.20	5.44	7.97	1.21		.20	.20	.319
		21.4	219.01	95.25	54.70	.59	2.06	5.44	7.97	.96		.19	.19	.310
		29.5	219.31	256.74	-4.39	.59	1.92	5.44	7.97	2.30		.18	.18	.335
1004-1005	140- 1	0.0	11.50	105.85	-61.00	-.51	-.49	-5.47	.99	4.11		.25	.25	.177
		7.1	11.50	65.12	-23.59	-.35	-.49	-5.47	.99	2.32		.24	.24	.115
		14.3	11.40	25.39	1.56	-.22	-.49	-5.47	.99	.78		.23	.23	.062
		21.4	11.50	-16.34	14.45	-.05	-.49	-5.47	.99	.78		.22	.22	.062
		29.5	11.49	-56.07	15.76	.06	-.49	-5.47	.99	2.07		.22	.22	.105
1006-1005	150- 1	0.0	-224.25	-193.71	-15.14	.41	1.57	-87.54	-8.15	-1.45		.49	.49	.494
		7.1	-224.25	-55.50	-82.74	.71	1.45	-87.54	-8.15	-.75		.47	.49	.455
		14.3	-224.20	54.65	-137.69	1.03	1.31	-87.54	-8.15	-1.25		.49	.49	.469
		21.4	-224.24	150.75	-238.75	1.35	1.16	-87.54	-8.15	-2.45		.50	.50	.514
		29.5	-224.22	254.45	-367.71	1.65	1.02	-87.54	-8.15	-3.82		.52	.52	.583
1005-1005	150- 1	0.0	-214.21	-416.05	5.26	.07	3.01	2.44	-7.79	-3.57		.23	.23	.559
		7.1	-214.21	-170.05	-54.34	.07	2.87	2.44	-7.79	-1.49		.22	.22	.459
		14.3	-214.21	75.70	-111.43	.07	2.73	2.44	-7.79	-1.15		.21	.21	.447
		21.4	-214.21	301.21	-169.55	.07	2.56	2.44	-7.79	-2.95		.20	.20	.525
		29.5	-214.21	516.49	-227.12	.07	2.44	2.44	-7.79	-4.42		.19	.19	.624

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 1

3-PILE ACTR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FY KIPS	FORCE----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING Y ------	STRESS Z ---KSI---	Y SHEAR STRESS ------	Z SHEAR STRESS ------/	COMB. UNITY CHECK
101- 102	W10- 1	0.0	-5.72	421.50	-102.73	-.81	-7.10	.01	-.35	4.73	-9.58	.09	1.10	.497
		3.6	-5.72	150.16	-67.60	-.81	-5.38	.01	-.35	1.69	-6.31	.09	.83	.287
		7.3	-5.72	-46.28	-32.40	-.81	-3.65	.01	-.35	-.52	-3.03	.09	.57	.136
		10.9	-5.72	-167.82	2.66	-.81	-1.93	.01	-.35	-1.88	.25	.09	.30	.083
		14.5	-5.72	-214.45	37.81	-.81	-.21	.01	-.35	-2.41	3.53	.09	.03	.213
101- 104	W15- 1	0.0	-5.55	424.99	-107.00	-.88	-7.28	-.01	-.34	4.77	-9.98	.10	1.13	.512
		3.6	-5.55	146.04	-68.80	-.88	-5.55	-.01	-.34	1.64	-6.42	.10	.86	.289
		7.2	-5.55	-58.08	-30.60	-.88	-3.83	-.01	-.34	-.65	-2.85	.10	.60	.134
		10.9	-5.55	-187.35	7.61	-.88	-2.11	-.01	-.34	-2.10	.71	.10	.33	.105
		14.5	-5.55	-241.60	45.81	-.88	-.39	-.01	-.34	-2.71	4.27	.10	.06	.248
101- 201	DRL- 1	0.0	-19.37	-355.00	654.09	9.25	3.56	-209.74	-.21	-1.15		.38	.38	.048
		3.8	-20.54	-207.72	217.76	9.25	3.56	-209.74	-.23	-.47		.38	.38	.025
		7.5	-21.70	-47.84	-196.65	9.25	3.56	-209.74	-.24	-.32		.38	.38	.020
		11.3	-22.86	112.24	-615.02	9.25	3.56	-209.74	-.25	-.98		.38	.38	.043
		15.0	-24.02	272.32	-1031.40	9.25	3.56	-209.74	-.26	-1.67		.38	.38	.067
102- 103	W10- 1	0.0	-6.79	-212.65	22.21	.23	.14	-.03	-.42	-2.39	2.07	.03	.02	.165
		3.6	-6.79	-159.21	12.04	.23	1.86	-.03	-.42	-1.90	1.12	.03	.29	.117
		7.3	-6.79	-50.67	1.87	.23	3.59	-.03	-.42	-.57	.17	.03	.56	.042
		10.9	-6.79	142.78	-8.30	.23	5.31	-.03	-.42	1.60	-.77	.03	.82	.095
		14.5	-6.79	411.12	-18.47	.23	7.03	-.03	-.42	4.61	-1.72	.03	1.09	.223
102- 104	W06- 1	0.0	-.36	1.02	10.46	.11	-.18	.00	-.05	.06	1.87	.02	.09	.071
		3.6	-.36	-4.15	5.66	.11	-.09	.00	-.05	-.20	1.01	.02	.05	.045
		7.2	-.36	-6.14	.85	.11	-.00	.00	-.05	-.30	.15	.02	.00	.018
		10.9	-.36	-4.35	-3.96	.11	.08	.00	-.05	-.21	-.71	.02	.04	.035
		14.5	-.36	1.22	-8.77	.11	.17	.00	-.05	.06	-1.57	.02	.09	.060
102- 105	W06- 1	0.0	1.53	-1.56	5.13	.02	-.18	.00	.22	-.08	.92	.00	.09	.042
		3.6	1.53	-7.39	4.26	.02	-.09	.00	.22	-.36	.76	.00	.05	.045
		7.2	1.53	-9.43	3.43	.02	-.00	.00	.22	-.45	.61	.00	.00	.043
		10.9	1.53	-7.68	2.58	.02	.08	.00	.22	-.37	.46	.00	.04	.035
		14.5	1.53	-2.15	1.73	.02	.17	.00	.22	-.10	.31	.00	.09	.022
103- 105	W10- 1	0.0	-7.10	416.44	4.35	-.02	-7.05	.02	-.44	4.67	.41	.00	1.09	.180
		3.6	-7.10	147.40	5.03	-.02	-5.33	.02	-.44	1.65	.47	.00	.83	.087
		7.2	-7.10	-46.61	5.71	-.02	-3.61	.02	-.44	-.53	.53	.00	.56	.054
		10.9	-7.10	-166.19	6.39	-.02	-1.88	.02	-.44	-1.86	.60	.00	.29	.098
		14.5	-7.10	-210.73	7.07	-.02	-.16	.02	-.44	-2.36	.66	.00	.03	.116
103- 203	DRL- 1	0.0	-19.98	-350.01	-619.45	-10.33	5.92	22.81	-.21	-1.12		.28	.28	.047
		3.8	-20.24	-94.04	-154.66	-10.33	5.92	22.81	-.22	-.26		.28	.28	.018
		7.5	-21.40	172.53	310.09	-10.33	5.92	22.81	-.23	-.56		.28	.28	.028
		11.3	-22.57	439.10	774.86	-10.33	5.92	22.81	-.25	-1.39		.28	.28	.057
		15.0	-23.73	705.67	1239.63	-10.33	5.92	22.81	-.26	-2.23		.28	.28	.087

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMP STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
104- 105	W06- 1	0.0	-1.16	-1.28	1.67	-.01	-.15	-.00	-.16	-.06	.30	.00	.08	.023
		3.6	-1.16	-6.12	2.13	-.01	-.07	-.00	-.16	-.29	.38	.00	.04	.033
		7.3	-1.16	-7.17	2.58	-.01	.02	-.00	-.16	-.34	.46	.00	.01	.037
		10.9	-1.16	-4.43	3.04	-.01	.11	-.00	-.16	-.21	.54	.00	.06	.036
		14.5	-1.15	2.09	3.49	-.01	.19	-.00	-.16	.10	.62	.00	.10	.035
104- 106	W16- 1	0.0	-5.07	-240.55	35.37	.52	-.07	.02	-.31	-2.70	3.30	.06	.01	.213
		3.6	-5.07	-205.94	12.66	.52	1.66	.02	-.31	-2.31	1.18	.06	.26	.127
		7.3	-5.07	-96.40	-10.04	.52	3.38	.02	-.31	-1.08	-.94	.06	.53	.080
		10.9	-5.07	88.06	-32.75	.52	5.10	.02	-.31	.99	-3.05	.06	.79	.150
		14.5	-5.07	353.58	-55.45	.52	11.82	.02	-.31	3.97	-5.17	.06	1.84	.318
105- 106	W16- 1	0.0	-5.76	-212.05	12.30	.32	.20	.01	-.36	-2.39	1.15	.04	.03	.130
		3.6	-5.76	-166.08	-1.72	.32	1.92	.01	-.36	-1.87	-.16	.04	.30	.060
		7.3	-5.76	-45.59	-15.74	.32	3.64	.01	-.36	-.51	-1.47	.04	.57	.082
		10.9	-5.76	150.42	-29.76	.32	5.37	.01	-.36	1.69	-2.78	.04	.83	.165
		14.5	-5.76	421.36	-43.76	.32	7.09	.01	-.36	4.73	-4.08	.04	1.10	.306
106- 206	DRL- 1	0.0	-22.66	671.12	-37.41	2.98	-4.39	102.98	-.25	-1.05		.20	.20	.046
		3.8	-23.83	473.60	-171.35	2.98	-4.39	102.98	-.26	-.79		.20	.20	.037
		7.5	-24.99	276.07	-305.29	2.98	-4.39	102.98	-.27	-.64		.20	.20	.032
		11.3	-26.15	78.55	-439.23	2.98	-4.39	102.98	-.29	-.70		.20	.20	.035
		15.0	-27.31	-118.97	-573.17	2.98	-4.39	102.98	-.30	-.92		.20	.20	.043
201- 202	W16- 1	0.0	-17.15	590.21	-109.90	-.87	-10.20	.05	-1.06	6.62	-10.25	.10	1.58	.610
		3.6	-17.15	200.36	-72.04	-.87	-7.72	.05	-1.06	2.25	-6.72	.10	1.20	.349
		7.3	-17.15	-81.47	-34.10	-.87	-5.24	.05	-1.06	-.91	-3.19	.10	.81	.184
		10.9	-17.15	-255.30	3.66	-.87	-2.75	.05	-1.06	-2.86	.34	.10	.43	.147
		14.5	-17.15	-321.10	41.55	-.87	-.27	.05	-1.06	-3.60	3.88	.10	.04	.293
201- 204	W16- 1	0.0	43.87	557.67	-114.37	-.96	-9.97	-.06	2.71	6.26	-10.67	.11	1.55	.662
		3.6	43.87	178.29	-72.52	-.96	-7.49	-.06	2.71	2.00	-6.79	.11	1.16	.393
		7.2	43.87	-93.36	-31.28	-.96	-5.01	-.06	2.71	-1.05	-2.92	.11	.75	.229
		10.9	43.87	-257.09	10.27	-.96	-2.52	-.06	2.71	-2.89	.96	.11	.39	.216
		14.5	43.87	-312.90	51.81	-.96	-.04	-.06	2.71	-3.51	4.83	.11	.01	.373
201- 301	DRL- 1	0.0	-50.93	-118.67	-172.13	-1.23	-42.15	-1104.66	-.56	-.33		1.79	1.79	.032
		3.8	-52.10	-2015.43	-116.65	-1.23	-42.15	-1104.66	-.57	-3.10		1.79	1.79	.130
		7.5	-53.26	-3912.00	-61.17	-1.23	-42.15	-1104.66	-.58	-6.12		1.79	1.79	.234
		11.3	-54.42	-5716.20	46.40	-4.00	-37.35	-1104.66	-.60	-8.95		1.59	1.69	.332
		15.0	-54.55	-7251.95	311.20	-7.84	-30.69	-1104.66	-.60	-11.35		1.56	1.56	.416
201- 303	120- 1	0.0	5.65	44.97	-404.90	-1.28	-.87	-12.39	.29	7.18		.27	.27	.260
		8.2	5.40	-17.12	-279.71	-1.28	-.40	-12.39	.28	4.94		.25	.25	.161
		16.3	5.16	-33.05	-154.52	-1.28	.07	-12.39	.27	2.79		.24	.24	.106
		24.5	4.91	-2.02	-29.33	-1.28	.54	-12.39	.25	.52		.25	.25	.027
		32.6	4.40	58.18	95.87	-1.28	.66	-12.39	.25	1.78		.26	.26	.077

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
205- 206	-10- 1	0.0	-38.81	-711.02	17.33	.40	.41	.07	-2.40	-7.98	1.62	.05	.06	.409
		3.6	-38.81	-562.64	-.01	.40	6.41	.07	-2.40	-6.32	-.00	.05	1.00	.300
		7.3	-38.81	-153.60	-17.35	.40	12.41	.07	-2.40	-1.72	-1.62	.05	1.93	.211
		10.9	-38.81	516.69	-34.70	.40	18.41	.07	-2.40	5.80	-3.24	.05	2.86	.396
		14.5	-38.81	1448.04	-52.04	.40	24.41	.07	-2.40	16.25	-4.85	.05	3.79	.782
206- 301	120- 1	0.0	-91.88	-55.25	-816.72	-6.47	-.02	-43.87	-4.77	-14.43		1.27	1.27	.783
		8.2	-92.12	-34.44	12.64	-6.47	.45	-43.87	-4.79	-.65		1.27	1.27	.276
		16.3	-92.36	32.69	808.93	-5.49	.95	-43.87	-4.80	-14.28		.97	.97	.779
		24.5	-92.61	139.01	658.90	9.55	1.07	-43.87	-4.81	-11.53		1.39	1.39	.678
		32.6	-92.67	198.09	-1159.37	27.49	-.03	-43.87	-4.82	-20.74		3.24	3.24	1.017
206- 306	DRL- 1	0.0	-24.85	1408.55	-485.25	-2.73	-66.15	-486.14	-.27	-2.33		1.83	1.83	.091
		3.8	-25.99	-1566.29	-302.47	-2.73	-66.15	-486.14	-.29	-2.52		1.83	1.83	.098
		7.5	-27.15	-4528.04	-230.26	-3.61	-64.62	-486.14	-.30	-7.09		1.80	1.80	.257
		11.3	-28.32	-7344.04	-14.75	-6.14	-60.23	-486.14	-.31	-11.49		1.71	1.71	.410
		15.0	-28.44	-9950.12	533.92	-9.44	-54.53	-486.14	-.31	-15.54		1.60	1.60	.551
301- 303	123- 1	0.0	52.17	1.35	145.67	11.86	-.61	-16.35	2.71	2.57		1.38	1.38	.183
		7.3	52.17	-18.28	-527.41	3.78	.07	-16.35	2.71	9.31		.54	.54	.417
		14.5	52.17	-1.14	-540.39	-3.32	.24	-16.36	2.71	9.53		.49	.49	.425
		21.7	52.17	8.17	19.15	-9.26	-.11	-16.36	2.71	.37		1.11	1.11	.107
		29.0	52.17	-5.43	876.16	-9.92	-.13	-16.36	2.71	15.45		1.17	1.17	.631
301- 306	123- 1	0.0	89.56	543.08	520.25	15.90	-4.77	-2.70	4.66	13.26		1.75	1.75	.622
		7.2	89.64	172.49	-487.06	7.22	-3.70	-2.70	4.66	9.11		.87	.87	.478
		14.5	89.64	-95.28	-727.72	-1.73	-2.42	-2.70	4.66	12.94		.33	.33	.611
		21.7	89.61	-241.01	-180.86	-10.82	-.91	-2.70	4.66	5.31		1.15	1.15	.306
		29.0	89.60	-250.39	1159.69	-19.40	.71	-2.70	4.66	20.58		2.04	2.04	.876
301- 401	DRL- 1	0.0	29.62	-9036.09	288.52	18.02	26.16	1959.63	.33	14.14		2.23	2.23	.502
		7.1	29.65	-6194.04	-902.80	9.03	40.68	1959.63	.33	9.79		2.45	2.45	.351
		14.2	29.68	-2054.16	-1343.17	.06	56.16	1959.63	.33	3.84		2.77	2.77	.145
		21.4	29.71	3388.66	-1030.28	-7.70	70.66	1959.63	.33	5.54		3.09	3.09	.204
		28.5	29.73	9923.42	-68.12	-14.05	81.67	1959.63	.33	15.52		3.35	3.35	.550
303- 305	123- 1	0.0	-95.29	525.62	159.25	1.10	-5.24	-2.58	-4.95	-9.68		.38	.36	.537
		7.2	-95.29	242.12	63.64	1.10	-5.36	-2.58	-4.95	-4.41		.39	.39	.364
		14.5	-95.29	-59.98	-31.96	1.10	-2.95	-2.58	-4.95	-.90		.35	.35	.288
		21.7	-95.29	-250.39	-127.57	1.10	-1.80	-2.58	-4.95	-4.95		.24	.24	.381
		29.0	-95.29	-341.61	-223.17	1.10	-.26	-2.58	-4.95	-7.20		.14	.14	.455
303- 403	DRL- 1	0.0	-122.85	-9492.04	-661.74	8.96	46.55	-673.07	-1.35	-14.88		1.57	1.57	.563
		7.1	-122.82	-5506.65	-1310.82	4.83	55.72	-673.07	-1.35	-8.55		1.71	1.71	.348
		14.2	-122.79	-157.49	-1401.30	-2.09	67.09	-673.07	-1.35	-2.21		2.00	2.00	.128
		21.4	-122.76	6173.10	-811.13	-10.70	80.61	-673.07	-1.35	-9.74		2.31	2.31	.390
		28.5	-122.74	13543.59	380.40	-16.91	91.35	-673.07	-1.35	-21.19		2.57	2.57	.787

STRAN MEMBER DETAIL REPORT

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
306- 406	DRL- 1	0.0	14.54	-10189.88	391.06	15.02	42.49	-1258.55	.16	15.95		1.97	1.97	.560
		7.1	14.57	-6015.44	-578.94	7.40	55.67	-1258.55	.16	9.45		2.22	2.22	.334
		14.2	14.60	-848.26	-861.87	-.75	69.78	-1258.55	.16	1.69		2.52	2.52	.064
		21.4	14.63	5887.47	-469.08	-8.18	82.66	-1258.55	.16	9.24		2.81	2.81	.326
		28.5	14.65	13591.89	481.15	-15.79	92.42	-1258.55	.16	20.96		3.04	3.04	.734
401- 501	JL4- 1	0.0	92.73	-2599.35	-23039.54	64.04	-10.48	319.30	.36	8.17		.57	.57	.297
		1.1	91.89	-2740.02	-23935.06	66.95	-10.19	319.30	.36	8.49		.59	.59	.308
		2.3	91.04	-2878.31	-24871.75	69.75	-9.90	319.30	.36	8.83		.61	.61	.319
		3.4	90.20	-3011.87	-25845.46	72.51	-9.62	319.30	.35	9.17		.63	.63	.331
		4.6	89.35	-3141.55	-26858.34	75.18	-9.33	319.30	.35	9.53		.65	.65	.343
401- 510	P1- 1	0.0	-58.20	-2510.73	9645.81	21.37	-23.19	-578.88	-.31	-4.66		.42	.42	.173
		1.1	-68.94	-2828.00	9352.71	21.37	-23.07	-578.88	-.31	-4.57		.42	.42	.170
		2.3	-69.68	-3143.58	9059.62	21.37	-22.94	-578.88	-.31	-4.49		.42	.42	.167
		3.4	-70.42	-3457.47	8766.53	21.37	-22.82	-578.88	-.32	-4.41		.42	.42	.164
		4.6	-71.15	-3769.09	8473.43	21.37	-22.70	-578.88	-.32	-4.34		.42	.42	.162
403- 503	JL4- 1	0.0	1556.44	-5478.03	9048.33	-40.97	-120.18	23.73	6.04	3.73		1.00	1.00	.339
		1.1	1555.59	-7137.43	9619.59	-42.49	-122.57	23.73	6.04	4.22		1.02	1.02	.356
		2.3	1554.74	-8830.98	10211.34	-43.96	-124.87	23.73	6.04	4.76		1.05	1.05	.375
		3.4	1553.89	-10555.65	10822.98	-45.40	-127.12	23.73	6.03	5.33		1.07	1.07	.395
		4.6	1553.05	-12310.72	11454.12	-46.81	-129.31	23.73	6.03	5.93		1.09	1.09	.415
403- 511	P1- 1	0.0	-1806.67	-7494.53	6448.86	7.98	-35.86	-178.56	-8.16	-4.62		.37	.37	.444
		1.1	-1807.40	-7985.58	6339.45	7.98	-35.74	-178.56	-8.17	-4.77		.37	.37	.449
		2.3	-1808.14	-8474.94	6230.04	7.98	-35.61	-178.56	-8.17	-4.92		.37	.37	.455
		3.4	-1808.88	-8962.62	6120.63	7.98	-35.49	-178.56	-8.17	-5.08		.37	.37	.460
		4.6	-1809.61	-9448.60	6011.22	7.98	-35.37	-178.56	-8.18	-5.24		.37	.37	.466
406- 506	JL4- 1	0.0	-1640.94	8621.16	-918.09	-20.86	71.52	-262.31	-6.45	-3.06		.63	.63	.330
		1.1	-1641.79	9616.18	-624.45	-22.05	73.88	-262.31	-6.46	-3.40		.65	.65	.342
		2.3	-1642.64	10643.00	-314.79	-23.20	76.16	-262.31	-6.46	-3.75		.67	.67	.355
		3.4	-1643.48	11700.56	10.36	-24.31	78.37	-262.31	-6.46	-4.12		.69	.69	.368
		4.6	-1644.32	12788.10	350.82	-25.40	80.54	-262.31	-6.47	-4.51		.71	.71	.381
406- 512	P1- 1	0.0	1671.70	8866.61	3932.00	3.17	24.50	-512.67	7.55	4.54		.34	.34	.420
		1.1	1670.96	9203.53	3888.55	3.17	24.63	-512.67	7.55	4.67		.34	.34	.425
		2.3	1670.22	9542.14	3845.09	3.17	24.75	-512.67	7.55	4.81		.35	.35	.429
		3.4	1669.48	9882.42	3801.63	3.17	24.87	-512.67	7.54	4.95		.35	.35	.434
		4.6	1668.75	10224.39	3758.16	3.17	24.99	-512.67	7.54	5.10		.35	.35	.439
501- 502	165- 1	0.0	45.32	-246.71	-852.41	-2.51	.08	194.60	1.50	7.95		1.04	1.04	.328
		3.8	45.32	-234.47	-686.03	-4.82	.45	194.60	1.50	6.49		1.19	1.19	.278
		7.6	45.32	-206.06	-414.87	-7.12	.80	194.60	1.50	4.15		1.35	1.35	.196
		11.4	45.32	-162.50	-59.10	-9.40	1.12	194.60	1.50	1.50		1.50	1.50	.104
		15.1	45.32	-104.81	439.65	-11.67	1.42	194.60	1.50	4.05		1.65	1.65	.193

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
501- 504	16S- 1	0.0	268.68	955.21	-842.19	-3.43	-6.04	125.34	8.90	11.40		1.02	1.02	.705
		3.8	268.66	689.64	-634.12	-5.73	-5.65	125.34	8.90	8.39		1.09	1.09	.600
		7.6	268.66	441.79	-321.77	-8.01	-5.26	125.34	8.90	4.89		1.20	1.20	.479
		11.4	266.66	211.74	93.96	-10.29	-4.86	125.34	8.90	2.07		1.31	1.31	.381
		15.1	268.66	.55	612.99	-12.56	-4.45	125.34	8.90	5.49		1.44	1.44	.500
501- 601	JL5- 1	0.0	269.08	-2615.99	-24624.87	-150.13	-7.26	-128.32	1.86	15.22		2.12	2.12	.593
		1.5	268.12	-2745.57	-21916.85	-146.73	-6.93	-128.32	1.86	13.57		2.07	2.07	.536
		3.0	267.16	-2868.75	-19269.89	-143.44	-6.58	-128.32	1.85	11.97		2.03	2.03	.480
		4.6	266.20	-2985.64	-16681.76	-140.28	-6.24	-128.32	1.84	10.41		1.98	1.98	.426
		6.1	265.24	-3096.34	-14150.36	-137.22	-5.90	-128.32	1.84	8.90		1.94	1.94	.373
501- 632	21D- 1	0.0	-300.58	-645.32	941.84	13.22	4.70	247.46	-6.63	-5.43		1.21	1.21	.419
		5.1	-300.63	-384.82	250.05	9.01	3.88	247.46	-6.63	-2.18		1.04	1.04	.314
		10.1	-300.68	-175.04	-230.70	6.26	3.10	247.46	-6.63	-1.37		.90	.90	.290
		15.2	-300.71	-6.97	-514.37	3.11	2.37	247.46	-6.63	-2.44		.76	.76	.322
		20.2	-300.74	116.33	-612.51	.15	1.69	247.46	-6.63	-2.96		.66	.66	.330
502- 503	16S- 1	0.0	25.18	-140.52	192.63	3.74	3.66	-48.53	.83	2.13		.56	.56	.103
		3.8	25.18	32.27	74.10	1.47	3.94	-48.53	.83	.72		.50	.50	.054
		7.6	25.18	217.03	58.26	-.77	4.19	-48.53	.83	2.01		.50	.50	.099
		11.4	25.18	412.64	143.98	-3.00	4.42	-48.53	.83	3.91		.57	.57	.165
		15.1	25.18	617.78	330.14	-5.19	4.60	-48.53	.83	6.27		.68	.68	.247
502- 504	12S- 1	0.0	-6.70	104.16	88.35	.79	-1.18	-52.17	-.56	-4.57		1.11	1.11	.181
		3.8	-6.70	52.42	52.50	.79	-1.09	-52.17	-.56	-2.48		1.10	1.10	.108
		7.6	-6.70	5.07	16.64	.79	-.97	-52.17	-.56	-.59		1.08	1.08	.042
		11.4	-6.70	-35.04	-19.22	.79	-.82	-52.17	-.56	-1.34		1.06	1.06	.068
		15.2	-6.70	-68.89	-55.08	.79	-.67	-52.17	-.56	-2.95		1.05	1.05	.124
502- 505	12S- 1	0.0	26.08	131.15	158.67	3.53	-1.06	26.53	2.19	6.88		1.06	1.06	.315
		3.8	26.10	84.87	32.57	2.03	-.97	26.53	2.19	3.04		.82	.82	.182
		7.6	26.11	43.55	-25.99	.53	-.85	26.53	2.19	1.70		.61	.61	.135
		11.4	26.10	7.41	-15.68	-.99	-.74	26.53	2.19	.58		.65	.65	.096
		15.2	26.09	-23.39	64.03	-2.52	-.61	26.53	2.19	2.28		.88	.88	.155
503- 505	16S- 1	0.0	-208.57	1016.32	-237.38	-2.44	-6.49	23.84	-6.91	-9.34		.57	.57	.592
		3.8	-208.57	725.64	-126.66	-2.44	-6.28	23.84	-6.91	-6.60		.55	.55	.503
		7.6	-208.57	446.06	-15.93	-2.44	-6.01	23.84	-6.91	-4.00		.54	.54	.413
		11.4	-208.57	179.89	94.79	-2.44	-5.69	23.84	-6.91	-1.82		.52	.52	.346
		15.1	-208.57	-70.71	205.52	-2.44	-5.33	23.84	-6.91	-1.95		.49	.49	.347
503- 603	JL5- 1	0.0	1164.76	-9663.45	10305.16	78.86	61.64	-279.56	8.06	8.77		1.47	1.47	.584
		1.5	1163.79	-8764.51	8882.68	77.07	58.84	-279.56	8.05	7.67		1.43	1.43	.546
		3.0	1162.82	-7715.65	7492.38	75.34	56.14	-279.56	8.05	6.61		1.39	1.39	.509
		4.6	1161.85	-6714.92	6133.07	73.67	53.57	-279.56	8.04	5.59		1.35	1.35	.473
		6.1	1160.89	-5760.42	4803.60	72.06	51.07	-279.56	8.03	4.61		1.31	1.31	.439

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
503- 635	210- 1	0.0	503.80	1890.06	165.51	1.40	-15.22	6.82	12.87	9.03		.69	.69	.761
		5.1	503.76	1052.19	111.27	1.15	-12.37	6.82	12.87	5.03		.56	.56	.622
		10.1	503.72	380.09	49.31	.90	-9.55	6.82	12.87	1.85		.44	.44	.511
		15.2	503.66	-109.27	2.00	.66	-6.80	6.82	12.87	.52		.32	.32	.465
		20.2	503.60	-441.39	-30.62	.42	-4.10	6.82	12.87	2.10		.20	.20	.520
504- 505	125- 1	0.0	-18.62	-84.56	87.43	2.95	.10	13.02	-1.56	-4.07		.71	.71	.202
		3.8	-18.62	-70.42	-12.14	1.43	.25	13.02	-1.55	-2.59		.46	.46	.151
		7.6	-18.62	-61.30	-42.70	-.08	.41	13.02	-1.56	-2.50		.29	.27	.148
		11.4	-18.62	-39.46	-4.53	-1.60	.56	13.02	-1.56	-1.33		.50	.50	.107
		15.2	-18.62	-10.65	102.56	-3.11	.71	13.02	-1.56	-3.45		.75	.75	.181
504- 506	165- 1	0.0	277.86	42.29	470.49	6.13	-5.21	-40.14	9.20	4.23		.82	.82	.467
		3.8	277.85	-184.62	152.55	5.06	-4.78	-40.14	9.20	2.14		.68	.66	.394
		7.6	277.85	-392.08	-62.54	3.01	-4.35	-40.14	9.20	3.55		.55	.55	.443
		11.4	277.86	-550.07	-176.18	1.39	-3.92	-40.14	9.20	5.43		.46	.46	.508
		15.2	277.80	-748.01	-189.76	-.79	-3.49	-40.14	9.20	6.91		.42	.42	.560
505- 506	155- 1	0.0	-181.34	-42.80	372.10	4.23	-5.23	60.11	-6.01	-3.35		.71	.71	.351
		3.8	-181.34	-271.57	179.83	4.23	-4.84	60.11	-6.01	-2.92		.69	.69	.342
		7.6	-181.34	-482.01	-12.43	4.23	-4.42	60.11	-6.01	-4.32		.67	.67	.389
		11.4	-181.34	-673.08	-204.70	4.23	-3.99	60.11	-6.01	-6.30		.63	.65	.452
		15.2	-181.34	-844.09	-395.97	4.23	-3.55	60.11	-6.01	-8.35		.64	.64	.517
506- 606	JL5- 1	0.0	-1425.49	10060.61	13.44	13.45	-58.96	-630.36	-9.85	-6.18		1.03	1.03	.557
		1.5	-1426.35	9399.97	-219.20	12.05	-56.21	-630.36	-9.87	-5.54		.99	.99	.535
		3.0	-1427.42	8006.64	-427.00	10.72	-53.55	-630.36	-9.88	-4.93		.95	.95	.514
		4.6	-1428.36	7054.90	-610.97	9.45	-50.94	-630.36	-9.88	-4.35		.91	.91	.494
		6.1	-1429.34	6147.12	-772.03	8.21	-48.51	-630.36	-9.89	-3.81		.87	.87	.476
506- 634	210- 1	0.0	-408.17	-841.94	-1538.47	-16.36	3.92	-161.66	-9.00	-8.35		1.13	1.13	.602
		5.1	-408.21	-615.21	-655.45	-12.75	3.55	-161.66	-9.00	-4.27		.97	.97	.456
		10.1	-408.27	-410.34	14.12	-9.34	3.21	-161.66	-9.00	-1.95		.82	.82	.397
		15.2	-408.34	-225.91	481.42	-6.08	2.87	-161.66	-9.00	-2.53		.68	.68	.414
		20.2	-408.39	-61.29	756.46	-3.01	2.55	-161.66	-9.00	-3.61		.56	.55	.448
510- 710	P1- 1	0.0	-71.16	-3321.75	8449.03	21.59	12.04	-1166.22	-.32	-4.34		.50	.50	.162
		6.3	-75.25	-2380.34	6807.81	21.59	12.72	-1166.22	-.34	-3.46		.50	.50	.133
		12.7	-79.33	-1087.13	5155.59	21.59	13.40	-1166.22	-.36	-2.57		.50	.50	.102
		19.0	-83.42	-842.12	3525.37	21.59	14.08	-1166.22	-.38	-1.70		.51	.51	.073
		25.3	-87.50	254.08	1884.14	21.59	14.77	-1166.22	-.40	-.89		.51	.51	.045
511- 711	P1- 1	0.0	-1809.70	-9411.17	6069.73	5.67	48.73	-313.62	-8.18	-5.24		.52	.52	.466
		6.3	-1813.79	-5680.42	5623.71	5.67	49.41	-313.62	-8.20	-3.74		.52	.52	.415
		12.7	-1817.87	-1897.88	5177.60	5.67	50.09	-313.62	-8.22	-2.56		.53	.53	.378
		19.0	-1821.96	1936.46	4731.66	5.67	50.77	-313.62	-8.23	-2.39		.54	.54	.373
		25.3	-1826.05	5622.59	4285.63	5.67	51.45	-313.62	-8.25	-3.38		.54	.53	.404

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	Z ------KSI------	Y SHEAR STRESS	Z SHEAR STRESS ------/	COMB. UNITY CHECK
512- 712	P1- 1	0.0	1668.85	10224.39	3758.13	3.17	-52.25	-763.05	7.54	5.10		.65	.65	.439
		6.3	1664.76	6277.66	3517.23	3.17	-51.57	-763.05	7.52	3.37		.65	.65	.378
		12.7	1660.67	2382.77	3276.32	3.17	-50.88	-763.05	7.50	1.89		.64	.64	.326
		19.0	1656.59	-1460.27	3035.42	3.17	-50.20	-763.05	7.49	1.58		.63	.63	.315
		25.3	1652.50	-5251.48	2794.51	3.17	-49.52	-763.05	7.47	2.78		.63	.63	.356
501- 531	JL5- 1	0.0	256.56	-3107.89	-14161.00	-113.99	5.61	-979.27	1.78	8.91		1.88	1.88	.371
		1.5	255.60	-3002.16	-12107.92	-111.02	5.97	-979.27	1.77	7.67		1.84	1.84	.328
		3.0	254.64	-2890.00	-10108.17	-108.14	6.32	-979.27	1.76	6.46		1.80	1.80	.286
		4.6	253.68	-2771.49	-8160.17	-105.36	6.67	-979.27	1.76	5.30		1.76	1.76	.245
		6.1	252.72	-2646.74	-6262.05	-102.68	7.00	-979.27	1.75	4.18		1.73	1.73	.206
603- 633	JL5- 1	0.0	1147.01	-5858.59	5143.83	54.61	53.35	3.90	7.94	4.79		1.06	1.06	.442
		1.5	1146.05	-4907.40	4157.80	53.23	50.92	3.90	7.93	3.95		1.02	1.02	.413
		3.0	1145.09	-3999.71	3200.54	51.68	48.56	3.90	7.92	3.15		.98	.98	.385
		4.6	1144.13	-3134.13	2271.09	50.18	46.31	3.90	7.92	2.38		.95	.95	.358
		6.1	1143.17	-2309.06	1368.57	48.73	44.12	3.90	7.91	1.65		.91	.91	.332
608- 635	JL5- 1	0.0	-1429.34	6147.12	-772.03	6.21	-48.51	-630.35	-9.89	-3.81		.87	.87	.476
		1.5	-1430.30	5283.90	-910.90	7.01	-46.11	-630.35	-9.90	-3.29		.84	.84	.453
		3.0	-1431.25	4463.94	-1028.21	5.65	-43.77	-630.35	-9.90	-2.81		.80	.80	.442
		4.6	-1432.22	3685.89	-1124.82	4.73	-41.52	-630.36	-9.91	-2.37		.77	.77	.426
		6.1	-1433.18	2948.21	-1200.93	3.65	-39.34	-630.36	-9.92	-1.95		.74	.74	.412
631- 651	JL6- 1	0.0	252.80	-2678.45	-6250.26	-102.43	7.87	-960.29	1.75	4.18		1.72	1.72	.206
		1.5	252.87	-2531.89	-4417.23	-98.52	8.20	-960.29	1.75	3.13		1.67	1.67	.169
		3.0	252.95	-2379.39	-2554.73	-94.09	8.52	-960.29	1.75	2.19		1.61	1.61	.137
		4.6	253.03	-2221.15	-981.05	-90.98	8.83	-960.29	1.75	1.49		1.56	1.56	.112
		6.1	253.11	-2057.34	685.94	-87.38	9.13	-960.29	1.75	1.33		1.51	1.51	.107
632- 703	210- 1	0.0	-300.74	116.31	-812.47	.11	1.63	247.56	-6.03	-2.96		.96	.96	.341
		5.5	-300.82	181.39	-478.51	-4.26	.36	247.56	-6.03	-2.41		.78	.78	.324
		11.0	-300.86	164.53	-58.85	-8.32	-.86	247.56	-6.03	-.83		.96	.96	.276
		16.4	-300.90	69.68	614.52	-12.10	-2.01	247.56	-6.03	-2.94		1.13	1.13	.340
		21.9	-300.94	-97.50	1527.89	-15.62	-3.06	247.56	-6.03	-7.28		1.29	1.29	.483
633- 653	JL6- 1	0.0	1143.15	-2315.80	1357.15	47.57	45.97	.09	7.91	1.65		.92	.92	.332
		1.5	1143.22	-1510.26	509.76	45.33	42.35	.09	7.91	.98		.86	.86	.309
		3.0	1143.29	-769.91	-297.25	43.13	38.81	.09	7.91	.51		.80	.80	.292
		4.6	1143.37	-93.13	-1064.72	41.00	35.39	.09	7.91	.66		.75	.75	.293
		6.1	1143.44	521.99	-1793.86	38.93	32.05	.09	7.91	1.15		.70	.70	.315
634- 701	210- 1	0.0	-408.39	-61.37	756.50	-2.93	2.66	-161.43	-9.00	-3.51		.56	.55	.451
		5.5	-408.42	89.50	791.74	1.81	1.91	-161.43	-9.00	-3.79		.59	.59	.457
		11.0	-408.46	191.03	523.57	6.39	1.17	-161.43	-9.01	-2.65		.67	.67	.422
		16.5	-408.52	245.23	-31.53	10.55	.48	-161.43	-9.01	-1.18		.85	.85	.376
		21.9	-408.57	254.95	-856.29	14.51	-.18	-161.43	-9.01	-4.25		1.02	1.02	.471

LOAD CONDITION NO. 10

3-PILE ACHP STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
635- 706	210- 1	0.0	563.60	-441.39	-30.52	.00	-4.10	6.96	12.67	2.10		.20	.20	.520
		5.5	563.55	-580.14	-58.31	.25	-.35	6.96	12.67	2.30		.04	.04	.544
		11.0	563.50	-490.09	-63.91	-.07	3.21	6.96	12.66	2.35		.16	.16	.529
		16.4	563.43	-169.90	-49.89	-.35	6.50	6.96	12.66	.84		.30	.30	.476
		21.9	563.38	359.49	-15.10	-.61	9.55	6.96	12.65	1.71		.44	.44	.506
636- 656	JL6- 1	0.0	-1433.16	2946.21	-1200.94	3.05	-39.34	-630.36	-9.92	-1.96		.74	.74	.412
		1.5	-1433.11	2255.78	-1254.50	2.23	-36.56	-630.35	-9.92	-1.59		.70	.70	.400
		3.0	-1433.03	1613.36	-1262.57	.65	-33.85	-630.36	-9.92	-1.27		.66	.65	.388
		4.6	-1432.95	1019.43	-1265.66	-.48	-31.25	-630.36	-9.92	-1.01		.63	.63	.379
		6.1	-1432.88	472.24	-1265.35	-1.76	-28.73	-630.36	-9.92	-.83		.59	.59	.373
651- 701	JL6- 1	0.0	254.46	-2176.48	-409.21	-42.69	22.67	-1970.61	1.76	1.36		1.27	1.27	.108
		1.8	254.54	-1669.22	456.01	-38.60	23.05	-1970.61	1.76	1.05		1.23	1.23	.099
		3.5	254.62	-1194.83	1235.77	-34.56	23.43	-1970.61	1.76	1.06		1.18	1.18	.098
		5.3	254.72	-692.12	1932.92	-30.64	23.79	-1970.61	1.75	1.26		1.14	1.14	.105
		7.1	254.81	-181.62	2549.99	-27.14	24.14	-1970.61	1.75	1.57		1.11	1.11	.116
653- 703	JL6- 1	0.0	1171.08	131.67	-1437.59	10.98	19.56	215.90	8.10	.89		.33	.38	.312
		1.8	1171.16	500.69	-1645.95	8.60	15.83	215.90	8.10	1.06		.32	.32	.318
		3.5	1171.24	807.04	-1804.50	6.30	12.21	215.90	8.10	1.21		.26	.26	.324
		5.3	1171.34	1029.46	-1914.83	4.07	8.70	215.90	8.11	1.34		.20	.20	.328
		7.1	1171.42	1176.44	-1978.50	1.92	5.31	215.90	8.11	1.42		.14	.14	.331
655- 706	JL6- 1	0.0	-1432.90	472.24	-1265.04	-1.76	-28.07	-630.95	-9.92	-.63		.58	.55	.373
		1.8	-1432.81	-95.15	-1212.07	-3.20	-25.25	-630.95	-9.91	-.75		.55	.55	.370
		3.5	-1432.72	-603.60	-1129.03	-4.59	-22.53	-630.95	-9.91	-.79		.51	.51	.372
		5.3	-1432.63	-1055.47	-1017.09	-5.92	-19.93	-630.95	-9.91	-.90		.48	.48	.376
		7.1	-1432.54	-1452.88	-877.36	-7.20	-17.42	-630.95	-9.91	-1.04		.45	.45	.381
701- 702	157- 1	0.0	-55.86	7.49	-69.06	2.44	-.30	12.98	-3.83	-2.04		.49	.49	.253
		4.7	-55.86	-6.13	-166.94	.33	-.19	12.98	-3.83	-3.81		.20	.20	.307
		9.4	-55.86	-14.59	-126.94	-1.74	-.12	12.98	-3.83	-2.92		.39	.39	.280
		14.1	-55.86	-19.51	29.16	-3.80	-.06	12.98	-3.83	-.80		.67	.67	.216
		18.8	-55.86	-21.00	301.05	-5.85	.00	12.98	-3.83	-6.89		.95	.95	.401
701- 704	157- 1	0.0	36.97	67.99	-67.05	2.49	-.65	2.05	2.54	2.52		.39	.39	.176
		4.7	36.95	34.60	-164.21	.39	-.54	2.05	2.53	3.92		.11	.11	.224
		9.4	36.93	7.28	-131.20	-1.71	-.43	2.05	2.53	3.00		.26	.26	.192
		14.1	36.91	-13.97	23.80	-3.81	-.32	2.05	2.53	.63		.55	.55	.110
		18.8	36.88	-29.16	296.96	-5.90	-.22	2.05	2.53	6.81		.83	.83	.324
701- 801	JL7- 1	0.0	-182.61	716.36	2801.18	-15.65	-4.46	-531.97	-2.58	-3.63		.80	.80	.224
		8.6	-178.51	289.73	3615.91	-.28	-3.82	-531.97	-2.53	-4.61		.45	.45	.254
		17.2	-174.39	-79.01	2928.20	13.29	-3.35	-531.97	-2.47	-3.72		.73	.73	.221
		25.9	-170.29	-409.02	922.90	25.22	-3.06	-531.97	-2.41	-1.28		1.05	1.06	.134
		34.5	-166.16	-724.51	-2237.44	35.73	-3.04	-531.97	-2.35	-2.99		1.35	1.35	.191

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y -------	Z KSI -------	Y SHEAR STRESS -------	Z SHEAR STRESS -------/	COMB. UNITY CHECK
701- 806	200- 1	0,0	277,74	736,01	592,09	13,51	-7,90	-24,93	7,30	6,48		,89	,89	,479
		13,6	277,88	-190,34	-423,28	5,26	-3,58	-24,93	7,30	3,65		,40	,40	,380
		27,2	277,93	-453,21	-880,07	-1,88	,15	-24,93	7,31	5,60		,17	,17	,449
		40,8	278,03	-171,96	-67,10	-7,99	3,34	-24,93	7,31	1,03		,53	,53	,290
		54,4	278,10	601,65	1675,81	-13,23	6,05	-24,93	7,31	9,97		,83	,83	,600
702- 703	157- 1	0,0	-65,84	-26,53	161,02	4,13	,40	-11,63	-4,52	-3,72		,70	,70	,339
		4,7	-65,84	-2,79	-14,44	2,11	,44	-11,63	-4,52	-,34		,43	,43	,235
		9,4	-65,84	22,20	-77,30	,13	,45	-11,63	-4,52	-1,84		,20	,20	,281
		14,1	-65,84	47,69	-29,45	-1,83	,46	-11,63	-4,52	-1,28		,39	,39	,268
		18,8	-65,84	74,09	127,44	-3,75	,46	-11,63	-4,52	-3,36		,65	,65	,331
702- 704	127- 1	0,0	,06	10,92	-1,74	,00	-,24	-5,01	,01	,37		,12	,12	,013
		4,7	,06	-1,49	-1,76	,00	-,20	-5,01	,01	,08		,12	,12	,003
		9,4	,06	-10,34	-1,79	,00	-,11	-5,01	,01	,35		,10	,10	,012
		14,1	,06	-14,05	-1,82	,00	-,02	-5,01	,01	,47		,09	,09	,017
		18,8	,06	-12,47	-1,84	,00	,07	-5,01	,01	,42		,10	,10	,015
702- 705	127- 1	0,0	13,60	14,55	141,77	3,71	-,15	,60	1,14	4,76		,63	,63	,203
		4,7	13,62	6,95	-17,69	1,96	-,11	,60	1,14	,64		,34	,34	,062
		9,4	13,62	2,20	-78,19	,18	-,05	,60	1,14	2,62		,04	,04	,131
		14,1	13,62	,22	-38,35	-1,60	-,00	,60	1,14	1,20		,23	,23	,084
		18,8	13,61	2,61	101,95	-3,39	,09	,60	1,14	3,41		,58	,58	,158
703- 705	157- 1	0,0	25,62	103,59	80,66	,66	-,65	5,40	1,76	3,00		,21	,21	,165
		4,7	25,62	65,20	32,16	,66	-,58	5,40	1,76	1,66		,21	,21	,119
		9,4	25,62	27,36	-16,35	,66	-,56	5,40	1,76	,73		,21	,21	,086
		14,1	25,62	-8,57	-64,46	,66	-,61	5,40	1,76	1,49		,21	,21	,113
		18,8	25,62	-40,43	-113,38	,66	-,53	5,40	1,76	2,75		,20	,20	,156
703- 801	200- 1	0,0	264,48	782,72	-1683,83	-16,70	-6,50	-21,50	6,95	10,39		1,00	1,00	,602
		13,6	264,61	-19,72	324,93	-6,07	-3,36	-21,50	6,96	1,42		,52	,52	,305
		27,2	264,69	-330,65	1001,17	-,36	-,49	-21,50	6,96	5,90		,09	,09	,447
		40,8	264,76	-193,48	469,18	6,49	2,11	-21,50	6,95	2,94		,42	,42	,384
		54,4	264,82	339,18	-1077,13	12,58	4,37	-21,50	6,96	6,32		,76	,76	,461
703- 803	JL7- 1	0,0	810,98	2000,20	-1102,54	12,14	17,57	-677,19	11,47	2,90		1,03	1,03	,499
		8,6	815,08	3029,18	-1885,95	3,21	2,66	-677,19	11,53	4,54		,55	,55	,533
		17,2	819,20	2607,48	-1802,79	-4,65	-10,56	-677,19	11,59	4,03		,76	,76	,542
		25,9	823,33	684,92	-954,22	-11,62	-22,51	-677,19	11,65	1,65		1,15	1,15	,462
		34,5	827,43	-2006,25	574,56	-17,67	-35,26	-677,19	11,71	2,65		1,50	1,50	,499
704- 705	127- 1	0,0	-13,82	-3,64	153,30	3,69	-,16	5,56	-1,16	-5,13		,75	,75	,223
		4,7	-13,82	-10,07	-13,90	2,06	-,06	5,56	-1,16	-,57		,44	,44	,067
		9,4	-13,82	-11,02	-78,17	,23	,03	5,56	-1,16	-2,64		,13	,13	,139
		14,1	-13,82	-6,70	-39,62	-1,60	,12	5,56	-1,16	-1,34		,36	,36	,094
		18,8	-13,82	2,69	101,77	-3,45	,22	5,56	-1,16	-3,40		,67	,67	,165

LOAD CONDITION NO. 10

3-PILE ACHR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILINGS) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
704- 706	137-	0.0	47.19	-33.95	141.83	4.08	.02	-17.35	3.24	3.33		.76	.76	.228
		4.7	47.17	-29.99	-28.81	1.99	.12	-17.35	3.24	.95		.47	.47	.145
		9.4	47.17	-19.97	-62.12	-.08	.23	-17.35	3.24	1.93		.23	.23	.179
		14.1	47.17	-3.59	-19.53	-2.14	.34	-17.35	3.24	.45		.50	.50	.123
		18.8	47.16	15.27	158.90	-4.20	.45	-17.35	3.24	3.65		.73	.73	.237
705- 706	137- 1	0.0	45.24	-35.24	90.34	.70	-.22	-1.85	3.10	2.21		.12	.12	.185
		4.7	45.24	-44.54	51.16	.70	-.11	-1.85	3.10	1.55		.12	.12	.162
		9.4	45.24	-47.76	11.98	.70	-.00	-1.85	3.10	1.12		.12	.12	.147
		14.1	45.24	-44.93	-27.21	.70	.10	-1.85	3.10	1.20		.12	.12	.149
		18.8	45.24	-36.03	-66.39	.70	.21	-1.85	3.10	1.72		.12	.12	.168
705- 803	200- 1	0.0	-524.06	-1216.68	159.60	1.20	10.52	-35.80	-13.78	-6.87		.66	.66	.995
		13.6	-523.95	85.59	14.26	.60	5.49	-35.80	-13.77	-.47		.39	.39	.640
		27.2	-523.87	594.73	-34.46	.01	.30	-35.80	-13.77	-3.33		.15	.15	.620
		40.8	-523.77	368.82	8.20	-.53	-3.50	-35.80	-13.77	-2.05		.29	.29	.757
		54.4	-523.64	-524.39	130.52	-.74	-7.38	-35.80	-13.76	-3.02		.49	.49	.805
705- 806	JL7- 1	0.0	-740.81	-2207.32	-1384.64	3.18	-9.61	-310.01	-10.48	-3.32		.43	.43	.473
		8.6	-736.69	-2067.31	-1425.99	-2.28	.41	-310.01	-10.42	-3.85		.25	.25	.505
		17.2	-732.50	-2176.28	-944.35	-6.94	6.85	-310.01	-10.36	-3.02		.52	.52	.477
		25.9	-728.45	-879.72	-11.70	-11.00	16.01	-310.01	-10.31	-1.12		.75	.75	.417
		34.5	-724.35	1095.71	1310.64	-14.49	22.05	-310.01	-10.25	-2.17		.94	.94	.447
710- 810	P2- 1	0.0	-87.49	256.35	1863.31	21.56	-5.98	-1422.36	-.35	-.79		.47	.47	.041
		8.6	-93.80	-307.34	-346.29	21.56	-4.93	-1422.36	-.37	-.19		.47	.47	.021
		17.2	-100.12	-762.42	-2575.69	21.56	-3.88	-1422.36	-.40	-1.12		.47	.47	.054
		25.9	-106.43	-1108.77	-4805.49	21.56	-2.82	-1422.36	-.42	-2.05		.47	.47	.087
		34.5	-112.75	-1346.45	-7035.09	21.56	-1.77	-1422.36	-.45	-2.99		.47	.47	.121
711- 811	P2- 1	0.0	-1825.99	5616.55	4289.70	6.19	-5.00	-1738.18	-7.27	-3.01		.43	.43	.364
		8.6	-1832.30	5356.24	3650.05	6.19	-3.95	-1738.18	-7.29	-2.70		.42	.42	.356
		17.2	-1838.62	5092.61	3010.40	6.19	-2.89	-1738.18	-7.32	-2.43		.42	.42	.349
		25.9	-1844.93	4757.67	2370.75	6.19	-1.84	-1738.18	-7.34	-2.22		.41	.41	.343
		34.5	-1851.25	4621.41	1731.10	6.19	-.79	-1738.18	-7.37	-2.05		.41	.41	.339
712- 812	P2- 1	0.0	1652.44	-5251.48	2794.09	3.17	3.15	-1093.50	6.57	2.46		.25	.25	.314
		8.6	1646.12	-4871.39	2466.46	3.17	4.20	-1093.50	6.55	2.23		.27	.27	.307
		17.2	1639.81	-4582.40	2138.83	3.17	5.25	-1093.50	6.52	2.03		.23	.23	.297
		25.9	1633.49	-3784.50	1811.20	3.17	6.31	-1093.50	6.50	1.75		.23	.23	.285
		34.5	1627.18	-3077.69	1483.57	3.17	7.36	-1093.50	6.47	1.42		.29	.29	.274
801- 802	180- 1	0.0	-136.80	-42.64	-455.57	.05	-.19	24.74	-5.62	-5.01		.19	.19	.435
		5.9	-136.80	-52.98	-430.70	-1.35	-.10	24.74	-5.62	-4.74		.25	.25	.423
		11.8	-136.80	-57.44	-266.00	-3.30	-.02	24.74	-5.62	-2.97		.41	.41	.373
		17.7	-136.80	-56.04	37.20	-5.25	.06	24.74	-5.62	-.74		.57	.57	.305
		23.7	-136.80	-48.76	478.85	-7.20	.14	24.74	-5.62	-5.25		.73	.73	.444

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE---- FY KIPS	----/ FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /------	BENDING STRESS Y	------KSI------ Z	Y SHEAR STRESS	Z SHEAR STRESS -----/	COMB. UNITY CHECK
801- 804	188- 1	0.0	-41.23	177.50	-448.74	.97	-.94	16.99	-1.69	-5.27		.20	.20	.268
		5.9	-41.22	113.95	-446.75	-1.02	-.85	16.99	-1.69	-5.04		.20	.20	.250
		11.8	-41.20	56.34	-303.62	-3.01	-.77	16.99	-1.69	-3.38		.35	.35	.202
		17.7	-41.19	6.69	-19.51	-5.00	-.63	16.99	-1.69	-.23		.51	.51	.092
		23.7	-41.20	-32.94	405.41	-6.97	-.49	16.99	-1.69	-4.45		.67	.67	.239
301-1001	JL8- 1	0.0	-15.01	-541.28	-2049.52	-22.10	1.90	-345.65	-.21	-2.69		.85	.85	.101
		8.6	-10.91	-348.61	-269.08	-12.48	1.80	-345.65	-.15	-.56		.58	.58	.025
		17.2	-6.83	-174.24	501.29	-3.70	1.53	-345.65	-.10	-.75		.33	.33	.030
		25.9	-2.74	-37.43	519.30	4.29	1.06	-345.65	-.04	-.46		.34	.34	.024
		34.5	1.35	31.01	-197.62	8.69	.29	-345.65	.02	.25		.47	.47	.009
801-1002	160- 1	0.0	-178.35	-260.98	370.16	5.90	3.35	46.75	-7.33	-4.95		.91	.91	.522
		10.4	-178.30	43.60	-170.32	2.84	1.57	46.75	-7.32	-1.92		.52	.52	.411
		20.8	-178.24	135.15	-347.16	.04	-.08	46.75	-7.32	-4.07		.25	.25	.489
		31.1	-178.21	26.55	-190.61	-2.51	-1.60	46.75	-7.32	-2.11		.50	.50	.417
		41.5	-178.18	-229.88	218.26	-5.75	-2.37	46.75	-7.32	-3.45		.62	.62	.467
301-1004	160- 1	0.0	193.55	325.21	324.15	5.88	-3.81	54.24	7.95	5.02		.85	.85	.450
		10.4	193.62	-21.78	-169.23	2.62	-1.31	54.24	7.95	2.03		.55	.55	.343
		20.8	193.65	-138.18	-359.50	-.16	-.07	54.24	7.95	4.01		.31	.31	.415
		31.1	193.73	-45.60	-157.03	-2.70	1.52	54.24	7.96	1.79		.55	.55	.338
		41.5	193.79	201.34	269.96	-3.62	2.23	54.24	7.96	3.66		.66	.66	.404
802- 803	188- 1	0.0	-145.74	-51.16	303.20	4.42	.70	-44.20	-5.99	-3.36		.61	.61	.404
		5.9	-145.74	1.27	59.06	2.47	.78	-44.20	-5.99	-.65		.45	.45	.319
		11.8	-145.74	59.61	-47.98	.55	.86	-44.20	-5.99	-.84		.33	.33	.328
		17.7	-145.74	123.80	-20.62	-1.33	.95	-44.20	-5.99	-1.37		.38	.38	.350
		23.7	-145.74	193.67	141.01	-3.22	1.03	-44.20	-5.99	-2.62		.52	.52	.391
802- 804	148- 1	0.0	1.21	35.49	31.64	.28	-.34	-12.94	.10	1.59		.29	.29	.059
		5.9	1.21	13.77	11.87	.28	-.28	-12.94	.10	.61		.28	.28	.025
		11.8	1.21	-3.75	-7.89	.28	-.22	-12.94	.10	.29		.28	.28	.014
		17.7	1.21	-17.07	-27.66	.28	-.16	-12.94	.10	1.09		.27	.27	.041
		23.7	1.21	-25.29	-47.42	.28	-.10	-12.94	.10	1.81		.27	.27	.065
802- 805	148- 1	0.0	13.67	31.95	144.00	2.84	-.22	6.13	1.15	4.93		.61	.61	.211
		5.9	13.66	10.57	-9.91	1.49	-.16	6.13	1.15	.70		.39	.39	.064
		11.8	13.64	9.39	-67.99	.14	-.10	6.13	1.15	2.30		.16	.16	.119
		17.7	13.65	4.41	-29.30	-1.23	-.04	6.13	1.15	.99		.34	.34	.074
		23.7	13.68	3.62	107.20	-2.61	.02	6.13	1.15	3.59		.57	.57	.164
803- 805	188- 1	0.0	168.99	355.52	82.01	.98	-1.56	1.97	6.94	3.97		.15	.15	.379
		5.9	168.99	245.59	12.19	.98	-1.48	1.97	6.94	2.69		.16	.16	.334
		11.8	168.99	143.54	-57.63	.98	-1.40	1.97	6.94	1.69		.15	.15	.300
		17.7	168.99	47.35	-127.45	.98	-1.31	1.97	6.94	1.49		.15	.15	.293
		23.7	168.99	-42.96	-197.27	.98	-1.23	1.97	6.94	2.21		.14	.14	.318

S I M A N   M E M B E R   D A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS (KSI)	BENDING STRESS Y (KSI)	BENDING STRESS Z (KSI)	Y SHEAR STRESS (KSI)	Z SHEAR STRESS (KSI)	COMB. UNITY CHECK
603-1002	16D- 1	0.0	177.42	235.62	-605.93	-5.79	-2.44	56.41	7.29	7.12		.90	.90	.500
		10.4	177.47	11.91	29.00	-3.45	-1.22	56.41	7.29	.34		.61	.61	.265
		20.7	177.54	-70.09	262.23	-.34	-.12	56.41	7.29	2.97		.34	.34	.356
		31.1	177.56	-20.64	125.04	2.46	.87	56.41	7.29	1.39		.52	.52	.301
		41.5	177.61	124.30	-291.96	3.67	1.34	56.41	7.30	3.47		.64	.64	.374
603-1003	JL8- 1	0.0	-7.74	-1069.29	357.67	11.46	19.94	-746.93	.68	1.43		1.13	1.13	.073
		8.5	51.34	459.23	-525.66	5.73	9.93	-746.93	.73	.90		.60	.60	.057
		17.2	55.94	1009.63	-843.90	.49	.63	-746.93	.77	1.67		.50	.50	.055
		25.9	60.04	616.46	-640.83	-4.35	-8.11	-746.93	.85	1.13		.73	.73	.069
		34.5	64.15	-544.52	-19.74	-7.46	-14.06	-746.93	.91	.72		.93	.93	.056
805-1005	16D- 1	0.0	362.22	497.00	57.09	.83	-5.79	23.34	14.88	5.47		.61	.61	.707
		10.4	362.27	-30.06	-17.62	.38	-2.72	23.34	14.88	.33		.35	.35	.533
		20.8	362.32	-190.60	-39.51	-.02	.10	23.34	14.88	2.13		.14	.14	.591
		31.1	362.36	-14.59	-11.99	-.40	2.65	23.34	14.88	.21		.35	.35	.524
		41.5	362.42	400.74	50.27	-.55	3.72	23.34	14.89	4.41		.44	.44	.670
804- 805	14B- 1	0.0	-14.89	-24.19	176.35	3.02	-.03	5.70	-1.25	-5.95		.62	.62	.251
		5.9	-14.89	-24.19	9.92	1.65	.03	5.70	-1.25	-.87		.39	.39	.085
		11.8	-14.89	-19.99	-59.92	.30	.09	5.70	-1.25	-2.11		.17	.17	.123
		17.7	-14.89	-11.60	-33.29	-1.05	.15	5.70	-1.25	-1.13		.29	.29	.095
		23.7	-14.89	.99	90.28	-2.44	.21	5.70	-1.25	-3.02		.52	.52	.159
804- 806	16B- 1	0.0	-39.29	-26.55	181.66	3.50	-.55	-36.47	-1.24	-2.01		.49	.49	.132
		5.9	-39.31	-63.04	1.86	1.57	-.41	-36.47	-1.24	-.69		.33	.33	.085
		11.8	-39.32	-87.46	-42.15	-.33	-.27	-36.47	-1.25	-1.06		.23	.23	.099
		17.8	-39.33	-101.82	49.20	-2.24	-.13	-36.47	-1.25	-1.24		.38	.38	.103
		23.7	-39.32	-196.08	275.65	-4.15	.01	-36.47	-1.25	-3.23		.54	.54	.174
805- 806	16B- 1	0.0	167.65	-26.60	.21	-.20	-1.01	-1.31	7.71	.31		.09	.09	.279
		5.9	167.65	-97.25	14.06	-.20	-.92	-1.31	7.71	1.07		.08	.08	.305
		11.8	167.65	-156.39	27.95	-.20	-.79	-1.31	7.71	1.75		.07	.07	.329
		17.8	167.65	-209.64	41.82	-.20	-.65	-1.31	7.71	2.34		.06	.06	.349
		23.7	167.65	-250.61	55.69	-.20	-.51	-1.31	7.71	2.81		.05	.05	.365
806-1004	16D- 1	0.0	-195.59	-195.33	-637.34	-5.87	2.03	42.29	-8.03	-7.29		.82	.82	.637
		10.4	-195.52	-4.52	7.63	-3.54	.99	42.29	-8.03	-.10		.53	.53	.377
		20.8	-195.51	55.03	257.76	-.50	-.00	42.29	-8.03	-2.88		.27	.27	.481
		31.1	-195.48	-4.34	139.36	2.33	-.95	42.29	-8.03	-1.52		.44	.44	.430
		41.5	-195.46	-149.08	-253.56	3.01	-1.26	42.29	-8.03	-3.22		.55	.55	.494
806-1005	16D- 1	0.0	-363.19	-587.67	77.15	.93	5.94	6.12	-14.92	-6.48		.53	.53	1.010
		10.4	-363.15	-26.45	-9.17	.47	3.07	6.12	-14.92	-.33		.29	.29	.739
		20.8	-363.11	162.23	-42.06	.05	.35	6.12	-14.91	-2.04		.05	.05	.793
		31.1	-363.05	65.79	-23.62	-.33	-2.19	6.12	-14.91	-.75		.22	.22	.733
		41.5	-362.98	-312.03	32.91	-.53	-3.55	6.12	-14.91	-3.44		.33	.33	.861

S T R A N   M E M B E R   D E T A I L   R E P O R T

LOAD CONDITION NO. 10

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECTN	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	/----SHEAR FORCE----/ FY KIPS	FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS /-------	BENDING STRESS Y	Z ---KSI---	Y SHEAR STRESS	Z SHEAR STRESS -------/	COMB. UNITY CHECK
805-1005	JL5- 1	0.0	-55.36	788.74	1615.47	9.46	-9.36	-890.57	-1.22	-2.29		.94	.94	.125
		8.6	-82.25	95.83	800.31	6.36	-4.19	-890.57	-1.16	-1.02		.78	.78	.079
		17.2	-78.13	-107.58	285.89	3.65	.13	-890.57	-1.11	-.39		.67	.67	.055
		25.9	-74.03	96.37	35.37	1.32	3.66	-890.57	-1.05	-.13		.68	.68	.043
		34.5	-69.94	538.38	-49.89	.78	4.03	-890.57	-.99	-.69		.68	.68	.061
810-1010	P2- 1	0.0	-112.75	-1340.11	-7035.82	21.58	3.67	-1338.31	-.45	-2.98		.45	.45	.120
		8.6	-119.07	-905.08	-9267.50	21.58	4.73	-1338.31	-.47	-3.88		.45	.45	.153
		17.2	-125.38	-362.79	-11499.18	21.58	5.78	-1338.31	-.50	-4.79		.46	.46	.185
		25.9	-131.70	289.16	-13730.86	21.58	6.83	-1338.31	-.52	-5.72		.46	.46	.218
		34.5	-138.01	1049.96	-15962.54	21.58	7.88	-1338.31	-.55	-6.67		.46	.46	.252
811-1011	P2- 1	0.0	-1851.21	4622.08	1726.96	5.93	-40.13	-2276.81	-7.37	-2.05		.80	.80	.339
		8.6	-1857.52	527.25	1114.06	5.93	-39.08	-2276.81	-7.39	-.51		.79	.79	.293
		17.2	-1863.84	-3459.34	501.16	5.93	-38.03	-2276.81	-7.42	-1.45		.78	.78	.323
		25.9	-1870.16	-7337.06	-111.74	5.93	-36.97	-2276.81	-7.44	-3.05		.77	.77	.372
		34.5	-1876.47	-11105.94	-724.64	5.93	-35.92	-2276.81	-7.47	-4.64		.75	.75	.422
812-1012	P2- 1	0.0	1627.14	-3077.69	1481.15	3.17	29.70	-2509.55	6.47	1.92		.76	.76	.274
		8.6	1620.83	47.31	1153.54	3.17	30.75	-2509.55	6.45	.48		.77	.77	.241
		17.2	1614.51	3251.02	825.93	3.17	31.80	-2509.55	6.42	1.41		.78	.78	.272
		25.9	1608.19	6623.44	498.31	3.17	32.85	-2509.56	6.40	2.77		.79	.79	.318
		34.5	1601.88	10074.57	170.70	3.17	33.90	-2509.56	6.37	4.20		.79	.79	.367
1001-1002	150- 1	0.0	-7.80	-154.61	-737.89	-2.35	1.00	-129.92	-.28	-6.44		.74	.74	.239
		7.1	-7.80	-75.21	-527.55	-2.56	.86	-129.92	-.28	-4.55		.75	.75	.173
		14.3	-7.80	-6.04	-298.73	-2.78	.71	-129.92	-.28	-2.55		.76	.76	.104
		21.4	-7.80	46.88	-48.52	-3.06	.57	-129.92	-.28	-.58		.78	.78	.035
		28.6	-7.80	89.56	226.07	-3.35	.43	-129.92	-.28	-2.08		.80	.80	.087
1001-1004	150- 1	0.0	1.50	149.80	-733.22	-2.32	-.70	-99.77	.05	6.40		.60	.60	.224
		7.1	1.50	83.73	-524.73	-2.52	-.84	-99.77	.05	4.54		.62	.62	.160
		14.3	1.49	5.41	-301.71	-2.68	-.99	-99.77	.05	2.58		.63	.63	.091
		21.4	1.48	-85.14	-65.03	-2.84	-1.13	-99.77	.05	.92		.65	.65	.034
		28.6	1.47	-187.93	185.30	-3.00	-1.27	-99.77	.05	2.26		.66	.65	.080
1002-1003	160- 1	0.0	-219.89	-230.87	-13.20	-.59	1.65	54.02	-8.00	-1.98		.36	.36	.503
		7.1	-219.89	-95.26	49.62	-.89	1.51	54.02	-8.00	-.92		.36	.36	.455
		14.3	-219.89	20.11	138.93	-1.21	1.37	54.02	-8.00	-1.21		.36	.35	.457
		21.4	-219.89	139.23	255.49	-1.50	1.23	54.02	-8.00	-2.49		.37	.37	.504
		28.6	-219.89	238.11	396.60	-1.79	1.08	54.02	-8.00	-3.95		.38	.38	.556
1002-1004	140- 1	0.0	.42	164.64	59.95	.36	-.94	-18.95	.04	5.87		.49	.49	.205
		7.1	.42	84.19	29.36	.36	-.94	-18.95	.04	2.98		.49	.49	.105
		14.3	.42	3.53	-1.23	.36	-.94	-18.95	.04	.13		.49	.49	.006
		21.4	.42	-77.12	-31.82	.36	-.94	-18.95	.04	2.79		.49	.49	.098
		28.5	.42	-157.77	-62.41	.36	-.94	-18.95	.04	5.87		.49	.49	.198

LOAD CONDITION NO. 1[illegible]

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NUMBER	GROUP AND SECT.	DIST FROM END FT.	FORCE FX KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	TORSION MX IN-KIPS	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	Y SHEAR STRESS KSI	Z SHEAR STRESS KSI	COMB. UNITY CHECK
1002-1005	140- 1	0.0	11.70	91.60	52.57	.42	-.42	12.91	.98	3.53		.32	.32	.157
		7.1	11.72	55.91	21.95	.30	-.42	12.91	.98	2.01		.30	.30	.104
		14.3	11.74	20.22	.25	.20	-.42	12.91	.99	.68		.29	.29	.058
		21.4	11.77	-15.47	-13.09	.11	-.42	12.91	.99	.68		.29	.29	.058
		28.5	11.79	-51.16	-18.05	.01	-.42	12.91	.99	1.81		.29	.29	.097
1003-1005	180- 1	0.0	-199.74	514.04	-255.33	-.80	-2.17	-8.67	-7.27	-4.90		.21	.21	.573
		7.1	-199.74	321.69	-185.92	-.80	-2.31	-8.67	-7.27	-3.16		.22	.22	.503
		14.3	-199.74	117.50	-118.50	-.80	-2.46	-8.67	-7.27	-1.43		.22	.22	.432
		21.4	-199.74	-99.14	-50.06	-.80	-2.60	-8.67	-7.27	-.95		.23	.23	.417
		28.5	-199.74	-326.01	18.34	-.80	-2.74	-8.67	-7.27	-2.81		.24	.24	.496
1004-1005	140- 1	0.0	-11.60	-107.07	54.88	.38	.49	8.54	-.97	-4.02		.25	.25	.186
		7.1	-11.60	-64.04	25.62	.31	.49	8.54	-.97	-2.33		.24	.24	.127
		14.3	-11.60	-22.60	2.50	.23	.49	8.54	-.97	-.76		.23	.23	.072
		21.4	-11.60	19.63	-14.22	.15	.49	8.54	-.97	-.81		.23	.23	.074
		28.5	-11.60	61.07	-20.78	.01	.49	8.54	-.97	-2.18		.23	.23	.122
1004-1006	180- 1	0.0	232.76	135.44	-1.65	-.76	-.80	95.86	8.47	1.16		.49	.49	.334
		7.1	232.79	60.39	69.06	-.86	-.95	95.86	8.47	.78		.50	.50	.321
		14.3	232.81	-26.93	144.70	-.97	-1.09	95.86	8.47	1.29		.52	.52	.339
		21.4	232.76	-126.48	235.14	-1.04	-1.23	95.86	8.47	2.28		.53	.53	.373
		28.5	232.76	-238.27	326.35	-1.08	-1.36	95.86	8.47	3.45		.54	.54	.414
1005-1006	180- 1	0.0	231.40	352.51	3.10	-.61	-2.15	-2.43	8.42	3.01		.17	.17	.397
		7.1	231.40	182.26	54.99	-.61	-2.29	-2.43	8.42	1.46		.18	.18	.343
		14.3	231.40	-40.23	106.87	-.61	-2.43	-2.43	8.42	.98		.19	.19	.326
		21.4	231.40	-254.97	158.76	-.61	-2.58	-2.43	8.42	2.57		.20	.20	.382
		28.5	231.40	-481.95	210.65	-.61	-2.72	-2.43	8.42	4.49		.21	.21	.446

S T R A N   G R O U P   S U M M A R Y   R E P O R T

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER GROUP I D	THREE MOST RESTRICTIVE MEMBERS — FIRST: MEMBER NO.	FIRST: MAX. U. CK	FIRST: LD. CN.	SECOND: MEMBER NO.	SECOND: MAX. U. CK	SECOND: LD. CN.	THIRD: MEMBER NO.	THIRD: MAX. U. CK	THIRD: LD. CN.	TOTAL	NUMBER OF MEMBERS IN GROUP WITH UNITY CK GT 1.33	WITH UNITY CK GT 1.00	WITH UNITY CK LT .50
P15	203- 205	.64	7	205- 206	.78	10	201- 204	.78	7	12	0	0	4
CAL	305- 406	1.15	7	301- 401	.69	7	303- 403	.86	8	9	0	1	3
P08	202- 204	.10	7	102- 104	.08	7	202- 205	.06	10	6	0	0	6
120	205- 301	1.02	10	201- 303	.77	7	203- 306	.64	7	3	0	1	0
125	301- 306	.85	10	301- 303	.60	9	303- 306	.64	7	3	0	0	0
JL4	405- 505	.47	7	403- 503	.46	7	401- 501	.44	7	3	0	0	3
P1	512- 712	.55	7	405- 512	.55	7	511- 711	.47	10	6	0	0	4
165	504- 506	.91	7	501- 504	.86	7	503- 505	.59	10	6	0	0	2
JL5	501- 601	.72	7	503- 603	.67	7	506- 606	.66	7	6	0	0	1
210	506- 634	.81	7	503- 635	.77	8	635- 706	.64	7	6	0	0	2
125	502- 505	.32	10	504- 505	.30	8	502- 504	.18	8	3	0	0	3
JL6	656- 656	.47	8	656- 706	.42	8	651- 651	.37	7	6	0	0	6
157	701- 702	.40	10	701- 704	.38	9	702- 703	.35	8	6	0	0	6
JL7	706- 806	.59	7	703- 803	.59	9	701- 801	.50	7	3	0	0	1
200	705- 803	1.00	10	701- 806	.90	7	703- 801	.68	9	3	0	0	0
127	704- 705	.23	10	702- 705	.21	9	702- 704	.14	7	3	0	0	3
P2	812-1012	.50	7	811-1011	.42	10	712- 812	.41	7	6	0	0	6
166	805- 806	.53	7	803- 805	.49	7	801- 802	.44	10	6	0	0	5
JL8	806-1006	.14	9	801-1001	.12	8	803-1003	.09	10	3	0	0	3
160	806-1005	1.01	10	803-1005	.97	9	801-1004	.90	7	6	0	1	0
149	804- 805	.25	10	802- 805	.22	9	802- 804	.15	7	3	0	0	3
100	1005-1006	.67	7	1004-1006	.66	7	1003-1005	.57	10	6	0	0	2
140	1002-1004	.21	7	1002-1005	.19	7	1004-1005	.19	10	3	0	0	3
	0- 0	0.00	0							1	0	0	1

TOTAL MEMBERS	118	0	3	67

S T R A N U N I T Y C H E C K S U M M A R Y R E P O R T

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

T H R E E H I G H E S T U N I T Y C H E C K S G.T. 1.00

MEMBER NUMBER	MEMBER GROUP ID	FIRST HIGHEST UNITY CHECK	FIRST HIGHEST LD. CN.	SECOND HIGHEST UNITY CHECK	SECOND HIGHEST LD. CN.	THIRD HIGHEST UNITY CHECK	THIRD HIGHEST LD. CN.
306- 406	DRL	1.15	7	.98	8	.88	9
206- 301	12D	1.02	10	.79	8	.69	7
606-1005	16D	1.01	10	.86	8	.74	9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	NEXT TWO HIGH CASES COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
503- 633	210-01	.766	.445	.315	.006	8	0.0	581.75	-171.14	1923.96	-255.63	.761	10	.741	7
504- 505	125-01	.298	.089	.033	.177	8	15.2	-27.04	-1.54	-71.94	165.75	.292	7	.211	9
504- 506	105-01	.913	.507	.395	.012	7	15.2	-368.14	41.90	1251.54	231.56	.736	9	.711	8
505- 506	105-01	.546	.195	.325	.027	9	15.2	169.20	-73.48	1086.60	313.43	.536	7	.517	10
506- 606	JL5-01	.657	.381	.266	.011	7	0.0	1585.50	447.96	-12695.75	2532.51	.645	8	.557	10
506- 634	210-01	.708	.464	.263	.061	7	0.0	606.21	96.32	1820.83	1012.37	.727	8	.658	9
510- 710	P1-01	.277	.169	.108	.000	8	0.0	-1073.78	-552.09	-6672.97	-75.09	.268	7	.162	10
511- 711	P1-01	.466	.284	.128	.053	10	0.0	-1609.70	-515.62	-9411.17	6069.73	.446	9	.293	7
512- 712	P1-01	.555	.342	.213	.000	7	0.0	-2178.03	361.59	-13090.60	-269.96	.513	8	.464	9
601- 631	JL5-01	.518	.233	.036	.248	7	0.0	-971.57	504.46	4768.05	12444.69	.482	8	.392	9
603- 633	JL5-01	.455	.261	.100	.065	9	0.0	-1169.51	168.87	6354.78	-5855.80	.452	7	.442	10
605- 636	JL5-01	.553	.380	.164	.008	7	0.0	1581.67	447.96	-7889.35	1740.02	.549	8	.476	10
651- 651	JL6-01	.369	.254	.023	.111	7	0.0	-975.44	494.29	2597.48	5725.76	.338	6	.227	9
652- 703	210-01	.483	.230	.001	.252	10	21.9	-300.94	247.56	-97.50	1527.69	.470	9	.227	7
653- 653	JL6-01	.354	.202	.045	.027	9	0.0	-1173.52	174.00	2668.03	-2088.24	.332	10	.292	7
654- 701	210-01	.576	.462	.010	.085	8	21.9	-579.09	-99.68	202.26	-597.59	.571	7	.471	10
655- 706	210-01	.644	.500	.001	.143	7	21.9	-600.72	163.38	90.95	956.15	.604	6	.553	9
656- 656	JL6-01	.467	.376	.087	.003	8	0.0	-1563.59	-340.19	4171.60	-825.68	.465	7	.412	10
651- 701	JL5-01	.297	.243	.004	.040	7	7.1	-1011.95	1234.[illegible]	-619.57	-1944.51	.255	8	.134	9
653- 703	JL5-01	.355	.294	.027	.035	9	7.1	-1224.04	-56.54	-1910.32	2172.27	.331	10	.221	7
656- 706	JL6-01	.423	.376	.046	.002	8	7.1	-1562.96	-340.30	-2192.63	468.67	.406	7	.381	10
701- 702	137-01	.401	.190	.001	.209	10	16.8	-55.06	12.98	-21.00	301.05	.367	9	.351	8
701- 704	137-01	.375	.150	.002	.227	8	16.8	-43.07	-8.47	-20.80	-287.29	.324	10	.212	8
701- 801	JL7-01	.304	.163	.038	.102	7	8.6	-332.07	300.80	-1656.95	-2706.79	.280	8	.254	10
701- 806	200-01	.895	.600	.236	.062	7	0.0	-479.67	10.52	-1013.96	-519.83	.739	9	.678	8
702- 703	137-01	.359	.175	.006	.179	8	0.0	-51.20	-7.98	-44.36	261.37	.359	10	.300	7
702- 704	127-01	.136	.028	.000	.107	7	0.0	-6.18	6.90	-5.01	92.53	.131	6	.022	9
702- 705	127-01	.210	.046	.001	.163	9	0.0	-13.54	-.97	-8.97	-140.66	.205	10	.120	7
703- 705	137-01	.221	.029	.008	.164	8	16.8	12.27	-3.13	-47.82	-236.58	.210	7	.165	10
703- 801	200-01	.679	.328	.032	.318	9	0.0	-262.20	24.34	-514.40	1614.20	.602	10	.338	7
703- 803	JL7-01	.569	.460	.065	.043	9	8.6	-875.58	745.41	-2669.61	1886.29	.558	10	.470	7
704- 705	127-01	.225	.047	.000	.178	10	0.0	-15.82	5.56	-3.84	153.30	.272	8	.213	9
704- 706	137-01	.303	.105	.018	.100	9	16.8	-54.26	20.70	61.95	-155.12	.239	10	.209	7
705- 706	137-01	.202	.082	.053	.067	7	16.8	-24.07	-7.62	100.94	112.68	.196	9	.185	10
706- 803	200-01	.995	.656	.334	.006	10	0.0	-524.06	-50.80	-1216.68	159.60	.931	8	.770	9
706- 806	JL7-01	.594	.439	.155	.000	7	8.6	894.30	-194.96	3504.27	26.34	.590	8	.505	10
710- 810	P2-01	.235	.167	.003	.066	8	34.5	-1115.36	-505.08	1129.41	-5339.83	.208	7	.121	10
711- 811	P2-01	.364	.273	.059	.032	10	0.0	-1625.99	-1736.18	5818.55	4289.70	.320	9	.253	8
712- 812	P2-01	.411	.328	.063	.000	7	0.0	-2194.30	-393.22	6488.62	-170.36	.352	9	.348	8
801- 802	180-01	.444	.260	.002	.162	10	25.7	-156.60	24.74	-48.76	478.85	.367	9	.280	8
801- 804	180-01	.362	.235	.098	.030	8	0.0	-114.44	7.55	294.78	-173.42	.295	7	.266	10
801-1001	JL8-01	.123	.010	.020	.093	8	0.0	20.88	259.62	-1069.58	-2319.22	.123	7	.101	10
801-1002	160-01	.522	.340	.060	.121	10	0.0	-178.55	46.75	-260.98	370.16	.421	9	.241	8
801-1004	160-01	.903	.625	.258	.020	7	0.0	-327.43	-23.82	-532.66	-149.44	.652	8	.567	9
802- 803	180-01	.404	.299	.003	.102	10	0.0	-145.74	-44.20	-51.16	303.20	.314	9	.290	8
802- 804	140-01	.145	.035	.012	.098	7	0.0	-9.68	11.61	-31.18	69.55	.142	6	.070	9
802- 805	140-01	.219	.049	.005	.165	9	0.0	-13.40	-8.11	-25.41	-144.41	.211	10	.125	7
803- 805	180-01	.495	.354	.001	.159	7	25.7	-172.71	16.03	-37.77	407.43	.418	8	.414	9

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O . 1

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	UNITY CHECK COMPONENT VALUES AXIAL	Y-AXIS	Z-AXIS	LOAD COND NO.	DIST FROM END(FT)	/-------- CONTROLLING MEMBER ACTIONS FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS --------/	/-NEXT TWO HIGH CASES-/ COMBINED UNITY CK	LD CN	COMBINED UNITY CK	LD CN
803-1002	160-01	.566	.333	.033	.221	9	0.0	-174.38	-51.54	-229.15	593.66	.590	10	.211	8
803-1003	JL8-01	.066	.027	.034	.024	10	17.2	55.94	-746.93	1009.63	-843.90	.069	9	.067	8
803-1005	160-01	.968	.698	.265	.006	9	0.0	-365.49	-21.23	-498.63	-72.22	.860	7	.707	10
804- 805	140-01	.261	.054	.004	.203	10	0.0	-14.69	6.70	-24.19	176.33	.250	8	.249	9
804- 806	165-01	.319	.167	.098	.055	7	23.7	116.78	26.51	321.64	-241.53	.302	8	.180	9
805- 806	165-01	.523	.366	.141	.000	7	23.7	-180.51	-27.60	320.16	13.08	.497	9	.365	10
805-1004	160-01	.854	.592	.124	.138	8	0.0	-310.19	10.96	-368.73	-389.47	.686	7	.647	10
805-1005	160-01	1.010	.693	.312	.005	10	0.0	-363.19	6.12	-587.67	77.15	.859	8	.742	9
805-1006	JL8-01	.142	.025	.037	.080	9	0.0	50.74	868.50	-1487.59	-2185.76	.125	10	.114	7
810-1010	P2-01	.301	.158	.059	.103	8	34.5	-1140.60	504.08	-5168.56	-8401.81	.274	7	.252	10
811-1011	P2-01	.422	.260	.141	.001	10	34.5	-1876.47	-2276.81	-11105.94	-724.64	.368	9	.321	8
812-1012	P2-01	.499	.335	.164	.000	7	34.5	-2244.76	276.98	-12836.90	103.47	.437	8	.416	9
901-1002	140-01	.293	.242	.003	.048	8	0.0	-127.48	-127.65	43.14	-185.88	.253	7	.247	9
901-1004	160-01	.343	.219	.094	.035	8	0.0	-115.21	-50.38	371.58	-244.00	.318	7	.234	9
902-1003	180-01	.556	.418	.045	.093	10	28.6	-219.69	54.02	238.11	396.60	.417	9	.293	8
902-1004	140-01	.209	.026	.153	.000	7	0.0	-6.51	15.95	-157.77	-2.43	.205	10	.204	9
902-1005	140-01	.193	.024	.168	.000	7	0.0	-6.16	-18.57	-145.03	3.02	.189	8	.168	9
903-1005	160-01	.573	.379	.163	.031	10	0.0	-199.74	-8.67	514.04	-255.33	.437	9	.334	8
904-1005	140-01	.186	.046	.111	.029	10	0.0	-11.60	8.54	-107.07	54.88	.177	9	.090	8
904-1006	180-01	.556	.478	.171	.007	7	28.6	-251.49	-54.22	446.11	-110.76	.563	9	.436	8
905-1006	150-01	.603	.468	.178	.002	7	28.6	-250.94	35.41	449.11	53.11	.604	9	.448	10
0- 0		0.000	0.000	0.000	0.000	0	0.0	0.00	0.00	0.00	0.00	0.000	0	0.000	0

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5-PILE ALRM STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
					/-------- CONTROLLING MEMBER ACTIONS --------/											
101- 102	A10-01	.531	7	0.0	-3.54	.01	366.96	121.03	.058	8	.006	7	49.5	55.2	.502	8
101- 104	A10-01	.512	10	0.0	-5.55	-.01	424.99	-107.00	.060	8	.005	7	49.4	55.2	.505	7
101- 201	DRL-01	.607	10	15.0	-24.02	-209.74	272.32	-1031.40	.028	10	.020	10	17.5	17.5	.063	8
102- 103	A10-01	.345	7	14.5	-5.15	-.01	410.44	74.82	.058	7	.004	7	49.5	55.2	.391	8
102- 104	A10-01	[illegible]	7	14.5	-.62	-.00	-2.12	11.76	.005	8	.001	7	50.9	108.3	.071	10
102- 105	A10-01	[illegible]	7	14.5	-1.25	.00	4.47	-5.07	.005	7	.000	8	50.9	108.3	.044	8
103- 105	A10-01	.305	7	0.0	-2.51	-.00	441.96	-62.62	.059	7	.003	8	49.4	55.2	.360	8
103- 203	DRL-01	[illegible]	6	15.0	-23.43	134.79	1035.60	1281.67	.026	8	.020	8	17.5	17.5	.087	10
104- 105	A10-01	.151	8	3.0	-1.69	-.01	-6.17	4.13	.006	8	.000	7	50.9	108.4	.050	7
104- 106	A10-01	.318	10	14.5	-5.07	.02	353.58	-55.45	.101	7	.003	10	49.5	55.2	.255	9
105- 106	A10-01	.306	10	14.5	-5.76	.01	421.36	-43.76	.059	6	.002	10	49.5	55.2	.188	8
106- 206	DRL-01	.127	7	15.0	-17.34	141.45	-2085.43	662.48	.031	7	.025	7	17.5	17.5	.106	9
201- 202	A10-01	[illegible]	7	0.0	32.60	.07	557.84	127.71	.084	8	.007	7	49.5	55.2	.651	8
201- 204	A10-01	.776	7	0.0	-72.30	-.05	621.71	123.54	.083	7	.006	7	49.4	55.2	.696	9
201- 301	DRL-01	.641	7	15.0	-60.20	394.05	11292.25	-1169.15	.138	10	.096	7	17.5	17.5	.564	8
201- 303	12J-01	.769	7	32.6	-2.19	-7.44	207.65	-1216.20	.138	7	.134	7	72.3	90.4	.693	9
202- 203	A10-01	.552	7	14.5	33.16	-.07	621.45	80.48	.064	7	.005	7	49.5	55.2	.515	8
202- 204	A10-01	.104	7	14.5	-.60	-.00	-13.45	12.63	.005	7	.001	7	50.9	108.3	.095	10
202- 205	A10-01	[illegible]	10	0.0	1.70	-.02	11.63	5.98	.007	8	.001	8	50.9	108.3	.053	7
203- 205	A10-01	[illegible]	7	0.0	49.36	-.06	1498.22	-57.99	.201	7	.003	7	49.4	55.2	.759	8
203- 303	DRL-01	.667	7	15.0	-1.69	-532.35	12197.00	1257.05	.136	7	.115	7	17.5	17.5	.656	8
203- 306	12J-01	.644	7	32.6	-144.55	-18.69	366.57	62.10	.087	10	.070	10	72.3	90.4	.526	9
204- 205	A10-01	.652	7	0.0	2.01	.02	13.42	-4.94	.007	7	.001	10	50.9	108.4	.058	8
204- 206	A10-01	.519	10	14.5	44.34	.07	619.16	-64.08	.124	8	.004	10	49.5	55.2	.442	7
205- 206	A10-01	.762	10	14.5	-38.81	.07	1448.04	-52.04	.201	8	.003	10	49.5	55.2	.643	8
205- 301	12J-01	1.017	10	32.0	-92.67	-43.87	195.09	-1159.37	.189	10	.169	10	72.3	90.4	.768	8
206- 306	DRL-01	.794	7	15.0	-139.89	439.99	13567.70	-1633.55	.131	6	.114	8	17.5	17.5	.739	8
301- 303	123-01	.403	9	29.0	-40.51	11.75	176.24	-1146.66	.123	7	.122	7	64.2	64.2	.724	7
301- 306	123-01	[illegible]	10	29.0	89.60	-2.70	-250.39	1139.69	.108	10	.106	10	64.2	64.2	.810	7
301- 401	DRL-01	[illegible]	7	20.5	-25.26	-2229.70	-10116.40	1343.07	.313	7	.272	7	33.3	33.3	.661	8
303- 306	123-01	[illegible]	7	29.0	67.37	-16.52	597.03	599.64	.066	8	.060	8	64.2	64.2	.608	8
303- 403	DRL-01	[illegible]	6	20.5	-137.25	-1471.74	14730.97	1975.31	.270	7	.198	7	33.3	33.3	.652	7
306- 406	DRL-01	1.152	7	20.5	-215.05	419.35	-19414.79	2258.73	.209	10	.163	7	33.3	33.3	.977	8
401- 501	JL4-01	[illegible]	7	4.0	-955.18	225.28	8274.51	23733.24	.052	7	.049	7	3.3	3.3	.417	8
401- 510	F1-01	.277	6	4.5	-1073.75	-354.20	-5573.66	-33.24	.035	9	.026	9	3.9	3.9	.263	7
403- 503	JL4-01	.462	7	4.0	-971.50	778.34	10518.83	-24639.22	.073	7	.066	7	3.3	3.3	.449	8
403- 511	F1-01	.305	10	4.0	-1809.61	-178.56	-9448.60	6011.22	.030	9	.025	9	3.9	3.9	.446	9
406- 506	JL4-01	.473	7	4.0	1937.24	450.40	-10750.97	3029.11	.043	7	.040	8	3.3	3.3	.451	8
406- 512	F1-01	.535	7	4.0	-2177.92	334.62	-13090.80	-269.83	.024	10	.018	10	3.9	3.9	.513	8
501- 502	105-01	.425	6	15.1	-188.97	160.04	-198.73	571.99	.131	10	.086	10	53.5	26.7	.368	9
501- 504	105-01	.859	7	0.0	-345.78	-103.45	-1059.11	663.60	.111	9	.076	9	53.5	26.7	.802	8
501- 601	JL5-01	.719	7	0.0	-956.30	32.22	7377.12	21629.80	.117	9	.112	9	4.5	4.5	.675	8
501- 602	210-01	.159	9	0.0	269.72	-204.34	1014.01	-1019.42	.114	7	.078	7	28.5	28.5	.419	10
502- 503	105-01	.124	6	0.0	-173.93	-130.39	-200.34	538.80	.099	6	.069	8	53.5	26.7	.343	7
502- 504	125-01	.103	6	0.0	8.74	-49.95	135.60	-8.94	.117	7	.070	7	39.6	39.6	.181	10
502- 505	125-01	.315	10	0.0	26.08	26.53	131.16	158.67	.112	7	.067	7	39.6	39.6	.310	9
503- 505	105-01	.592	10	0.0	-208.57	23.84	1016.32	-237.30	.076	8	.053	8	53.5	26.7	.573	8
503- 603	JL5-01	.605	7	0.0	-817.70	275.00	8720.99	-22535.53	.109	7	.104	7	4.5	4.5	.634	8

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
					/-------- CONTROLLING MEMBER ACTIONS --------/											
503- 635	210-01	.706	8	0.0	581.75	-171.14	1923.96	-255.63	.079	8	.058	8	28.5	28.5	.761	10
504- 505	125-01	.248	8	15.2	-27.04	-1.54	-71.94	165.75	.051	10	.039	10	39.6	39.6	.292	7
504- 506	165-01	.913	7	15.2	-368.14	41.90	1251.54	231.56	.054	9	.043	9	53.5	26.7	.736	9
505- 509	165-01	.546	9	15.2	169.20	-73.48	1066.60	313.43	.062	9	.046	7	53.5	26.7	.536	7
506- 606	JL5-01	.657	7	0.0	1565.50	447.96	-12695.75	2532.51	.067	7	.060	7	4.5	4.5	.645	8
509- 634	210-01	.808	7	0.0	606.21	96.32	1820.83	1012.37	.079	10	.060	9	28.5	28.5	.727	8
510- 710	P1-01	.277	8	0.0	-1073.78	-552.09	-6672.97	-75.09	.045	9	.029	9	21.4	21.4	.268	7
511- 711	P1-01	.466	10	0.0	-1809.70	-313.62	-9411.17	6069.73	.037	9	.031	9	21.4	21.4	.446	9
512- 712	P1-01	.555	7	0.0	-2178.03	361.59	-13090.80	-269.96	.043	10	.035	7	21.4	21.4	.513	8
601- 631	JL5-01	.518	7	0.0	-971.57	504.46	4768.05	12444.69	.117	9	.100	9	4.5	4.5	.482	8
603- 633	JL5-01	.405	9	0.0	-1169.51	168.87	6354.78	-5855.80	.089	8	.083	8	4.5	4.5	.452	7
606- 636	JL5-01	.553	7	0.0	1551.67	447.96	-7869.35	1740.02	.058	7	.051	7	4.5	4.5	.549	8
631- 651	JL6-01	.369	7	0.0	-975.44	494.29	2597.48	5725.76	.108	9	.091	9	4.5	4.5	.338	8
632- 703	210-01	.403	10	21.9	-360.94	247.56	-97.50	1527.69	.113	7	.076	7	30.9	30.9	.470	9
633- 653	JL6-01	.354	9	0.0	-1173.32	174.00	2668.03	-2068.24	.081	8	.075	8	4.5	4.5	.332	10
634- 701	210-01	.576	8	21.9	-579.09	-99.68	202.26	-597.59	.073	10	.053	10	30.9	30.9	.571	7
635- 706	210-01	.644	7	21.9	-600.72	163.36	90.95	956.15	.069	8	.048	8	30.9	30.9	.604	8
636- 656	JL6-01	.467	8	0.0	-1563.59	-340.19	4171.60	-825.66	.050	7	.043	7	4.5	4.5	.465	7
651- 701	JL6-01	.267	7	7.1	-1011.95	1234.32	-619.57	-1944.51	.099	9	.066	10	5.2	5.2	.255	8
653- 703	JL6-01	.355	9	7.1	-1224.64	-55.54	-1910.32	2172.27	.067	8	.050	8	5.2	5.2	.331	10
655- 705	JL6-01	.423	8	7.1	-1562.96	-340.30	-2192.63	468.67	.041	8	.035	8	5.2	5.2	.406	7
701- 702	137-01	.401	10	18.6	-55.86	12.96	-21.00	301.05	.064	8	.052	8	82.3	41.1	.307	9
701- 704	137-01	.378	9	18.6	-43.87	-8.47	-28.80	-287.29	.051	9	.046	9	82.3	41.1	.324	10
701- 801	JL7-01	.304	7	8.6	-352.67	300.80	-1655.95	-2708.79	.089	9	.070	10	26.0	26.0	.260	8
701- 805	210-01	.898	7	0.0	-473.57	10.52	-1013.96	-519.83	.050	10	.047	10	76.3	76.3	.739	9
702- 703	137-01	.359	8	0.0	-51.20	-7.96	-44.36	261.37	.052	8	.047	8	82.3	41.1	.339	10
702- 704	127-01	.136	7	0.0	-6.10	6.90	-5.01	92.53	.032	7	.026	7	49.0	49.0	.131	8
702- 705	127-01	.210	9	0.0	-13.54	-.97	-8.97	-140.66	.035	9	.034	9	49.0	49.0	.205	10
703- 705	137-01	.221	8	18.6	12.27	-3.13	-47.82	-236.58	.037	7	.032	7	82.3	41.1	.210	7
703- 801	210-01	.679	9	0.0	-262.20	24.34	-514.40	1614.20	.055	10	.052	10	76.3	76.3	.602	10
703- 803	JL7-01	.508	9	8.6	-875.56	745.41	-2669.61	1866.29	.101	10	.078	10	26.0	26.0	.553	10
704- 705	127-01	.225	10	0.0	-13.82	5.56	-5.84	153.30	.044	10	.039	10	49.0	49.0	.222	8
704- 706	137-01	.303	9	18.6	-54.26	29.70	61.95	-155.12	.053	9	.041	9	82.3	41.2	.239	10
705- 706	137-01	.202	7	18.6	-24.07	-7.82	100.94	112.66	.028	7	.024	7	82.3	41.2	.196	9
706- 803	210-01	.995	10	0.0	-524.06	-36.80	-1216.68	159.60	.044	9	.042	7	76.2	76.2	.931	8
706- 806	JL7-01	.594	7	8.6	894.30	-194.96	3504.27	26.34	.076	9	.067	9	26.0	26.0	.590	8
710- 810	P2-01	.235	8	34.5	-1115.36	-505.06	1129.41	-5339.83	.043	9	.026	9	29.2	29.2	.203	7
711- 811	P2-01	.364	10	0.0	-1825.99	-1733.16	5818.55	4287.70	.045	9	.024	9	29.2	29.2	.320	9
712- 812	P2-01	.411	7	0.0	-2194.30	-303.22	6468.62	-170.36	.027	10	.015	10	29.2	29.2	.352	9
801- 802	160-01	.444	10	23.7	-136.90	24.74	-48.76	478.85	.049	8	.038	10	82.9	41.4	.367	9
801- 804	160-01	.362	8	0.0	-114.33	7.55	294.76	-173.42	.041	9	.035	9	82.9	41.4	.293	7
801-1001	JL6-01	.123	8	0.0	20.88	259.62	-1069.58	-2319.22	.056	9	.044	8	26.0	26.0	.123	7
801-1002	160-01	.522	10	0.0	-178.35	46.75	-260.98	370.16	.056	9	.043	9	72.7	72.7	.421	9
801-1004	160-01	.903	7	0.0	-327.03	-23.82	-532.86	-149.44	.060	10	.045	10	72.7	72.7	.652	8
802- 803	148-01	.404	10	0.0	-145.74	-44.20	-51.16	303.20	.048	8	.039	8	82.9	41.4	.314	9
802- 804	145-01	.145	7	0.0	-9.66	11.61	-31.16	69.55	.035	7	.025	7	61.8	61.8	.142	8
802- 805	145-01	.219	9	0.0	-15.40	-8.11	-25.41	-144.41	.039	9	.032	9	61.8	61.8	.211	10
803- 805	168-01	.495	7	23.7	-172.71	16.03	-37.77	407.43	.030	7	.026	7	82.9	41.4	.418	8

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND	DIST FROM END(FT)	FORCE FX KIPS	TORSION MX IN-KIPS	MOMENT MY IN-KIPS	MOMENT MZ IN-KIPS	Z-AXIS SHEAR UNITY CK	LD CN	Y-AXIS SHEAR UNITY CK	LD CN	KLY/RY	KLZ/RZ	NEXT HIGH UN.CK.	LD CN
803-1002	1H0-01	.585	9	0.0	-174.38	-51.54	-229.15	593.66	.063	10	.047	10	72.7	72.7	.500	10
803-1003	JL5-01	.065	10	17.2	55.94	-746.93	1009.63	-843.90	.083	10	.059	10	26.0	26.0	.069	9
803-1005	1H0-01	.968	9	0.0	-365.49	-21.23	-498.63	-72.22	.038	10	.032	10	72.7	72.7	.860	7
804-805	140-01	.261	10	0.0	-14.89	5.70	-24.19	176.33	.038	9	.032	9	61.8	61.8	.250	8
804-806	1H0-01	.317	7	25.7	116.76	28.51	321.64	-241.53	.043	9	.031	9	82.9	41.4	.302	8
805-806	1H0-01	.526	7	25.7	-108.51	-27.60	320.16	13.06	.029	7	.021	7	82.9	41.4	.497	9
806-1004	1H0-01	.753	8	0.0	-310.19	10.96	-368.75	-389.47	.057	9	.044	9	72.7	72.7	.686	7
806-1005	1H0-01	1.010	10	0.0	-363.19	6.12	-567.67	77.15	.044	7	.036	7	72.7	72.7	.859	8
806-1006	JL5-01	.142	9	0.0	50.74	868.50	-1467.59	-2185.76	.096	9	.066	9	26.0	26.0	.125	10
810-1010	P2-01	.301	8	34.5	-1140.60	504.08	-5188.56	-6401.81	.040	9	.025	9	29.2	29.2	.274	7
811-1011	P2-01	.422	10	34.5	-1876.47	-2276.81	-11105.94	-724.64	.068	9	.042	9	29.2	29.2	.368	9
812-1012	P2-01	.499	7	34.5	-2244.76	278.98	-12836.90	103.47	.069	10	.042	9	29.2	29.2	.437	8
1001-1002	1H0-01	.293	8	0.0	-127.46	-127.65	43.14	-185.88	.071	10	.042	10	88.6	44.3	.253	7
1001-1004	1H0-01	.348	8	0.0	-115.21	-50.38	371.58	-244.00	.057	9	.035	9	88.6	44.3	.318	7
1002-1003	1H0-01	.555	10	28.0	-219.89	54.02	258.11	396.60	.047	8	.027	8	88.6	44.3	.417	9
1002-1004	140-01	.209	7	0.0	-6.51	15.95	-157.77	-2.45	.042	10	.025	10	74.7	74.7	.205	10
1002-1005	140-01	.193	7	0.0	-6.16	-18.57	-145.03	3.02	.040	7	.023	7	74.7	74.7	.189	8
1003-1005	1H0-01	.573	10	0.0	-199.74	-8.67	514.04	-255.33	.041	7	.025	7	88.6	44.3	.457	9
1004-1005	140-01	.166	10	0.0	-11.60	8.54	-107.07	54.88	.021	9	.014	9	74.7	74.7	.177	9
1004-1006	1H0-01	.656	7	28.0	-251.49	-54.22	446.11	-110.76	.049	10	.028	10	88.6	44.3	.563	9
1005-1006	1H0-01	.668	7	28.0	-256.94	35.41	449.11	53.11	.026	8	.018	7	88.6	44.3	.604	9
0- 0		0.000	0	0.0	0.00	0.00	0.00	0.00	0.000	0	0.000	0	0.0	0.0	0.000	0

S T R A N   M E M B E R   S T R E S S   R E P O R T   N O . 3

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
101- 102	A10-01	.531	7	0.0	-.22	4.11	11.29	1.00	-0.92	49.5	55.2	.502	8	.497	10
101- 104	A10-01	.512	10	0.0	-.34	4.77	-9.98	-.88	-7.28	49.4	55.2	.505	7	.490	8
101- 201	DAL-01	.067	10	15.0	-.26	-1.67	0.00	9.25	3.56	17.5	17.5	.063	8	.043	9
102- 103	A10-01	.396	7	14.5	-.19	4.61	6.98	-.68	7.19	49.5	55.2	.391	8	.288	9
102- 104	A06-01	.082	7	14.5	-.09	-.10	2.10	-.12	.17	50.9	108.3	.071	10	.069	9
102- 105	A06-01	.049	7	14.5	-.18	.21	-.90	.03	.19	50.9	108.3	.046	8	.045	10
103- 105	A10-01	.305	7	0.0	-.15	4.96	-5.84	-.47	-7.34	49.4	55.2	.360	8	.259	9
103- 203	DAL-01	.099	8	15.0	-.26	-2.55	0.00	-10.41	7.55	17.5	17.5	.087	10	.048	7
104- 105	A06-01	.050	8	3.6	-.24	-.30	.74	.01	-.05	50.9	108.4	.050	7	.040	9
104- 106	A10-01	.318	10	14.5	-.31	3.97	-5.17	.52	11.82	49.5	55.2	.255	9	.241	7
105- 106	A10-01	.305	10	14.5	-.36	4.73	-4.08	.32	7.09	49.5	55.2	.188	8	.178	9
106- 205	DAL-01	.127	7	15.0	-.21	-3.42	0.00	-3.76	-16.52	17.5	17.5	.106	9	.065	8
201- 202	A10-01	.609	7	0.0	2.02	6.26	12.10	1.09	-9.92	49.5	55.2	.651	8	.625	9
201- 204	A10-01	.775	7	0.0	-4.46	6.98	11.52	.99	-10.30	49.4	55.2	.696	9	.674	8
201- 301	DAL-01	.641	7	15.0	-.65	-17.76	0.00	12.73	49.87	17.5	17.5	.564	8	.460	9
201- 303	120-01	.769	7	32.6	-.11	-21.97	0.00	23.82	4.20	72.3	90.4	.693	9	.536	8
202- 203	A10-01	.552	7	14.5	2.05	6.97	7.51	-.74	10.36	49.5	55.2	.515	8	.419	9
202- 204	A06-01	.104	7	14.5	-.08	-.65	2.25	-.13	.17	50.9	108.3	.095	10	.091	9
202- 205	A06-01	.064	10	0.0	.24	.56	1.07	.02	-.25	50.9	108.3	.058	7	.055	9
203- 205	A10-01	.838	7	0.0	2.49	16.01	-6.34	-.50	-24.81	49.4	55.2	.759	8	.700	9
203- 303	DAL-01	.667	7	15.0	-.02	-19.18	0.00	-13.17	61.15	17.5	17.5	.656	8	.567	9
203- 306	120-01	.544	7	32.6	-7.51	-6.62	0.00	-.94	1.77	72.3	90.4	.526	9	.436	8
204- 205	A06-01	.062	7	0.0	.28	.04	-.88	-.00	-.27	50.9	108.4	.058	8	.054	9
204- 206	A10-01	.519	10	14.5	2.74	6.65	-5.98	.61	15.30	49.5	55.2	.442	7	.436	8
205- 206	A10-01	.762	10	14.5	-2.40	10.25	-4.85	.40	24.41	49.5	55.2	.643	8	.576	9
206- 301	120-01	1.017	10	32.6	-4.82	-20.74	0.00	27.49	-.03	72.3	90.4	.788	8	.692	7
206- 306	DAL-01	.798	7	15.0	-1.54	-21.38	0.00	14.41	75.60	17.5	17.5	.739	8	.607	9
301- 303	125-01	.803	9	29.0	-2.11	-20.46	0.00	19.43	3.07	64.2	64.2	.724	7	.665	8
301- 306	125-01	.876	10	29.0	4.66	20.58	0.00	-19.40	.71	64.2	64.2	.810	7	.738	9
301- 401	DAL-01	.909	7	28.5	-.20	-25.30	0.00	-6.29	-114.89	33.3	33.3	.881	8	.649	9
303- 306	125-01	.640	7	29.0	3.50	14.92	0.00	-6.51	3.47	64.2	64.2	.608	8	.537	10
303- 403	DAL-01	.865	8	28.5	-1.51	-23.25	0.00	-9.11	106.35	33.3	33.3	.652	7	.767	10
306- 406	DAL-01	1.152	7	28.5	-2.36	-30.58	0.00	-10.96	-127.42	33.3	33.3	.977	8	.879	9
401- 501	JL4-01	.439	7	4.6	-3.76	-8.66	0.00	-103.92	50.88	3.3	3.3	.417	8	.357	9
401- 510	P1-01	.277	8	4.6	-4.85	-3.12	0.00	6.21	-16.72	3.9	3.9	.268	7	.173	10
403- 503	JL4-01	.462	7	4.6	-3.82	-9.44	0.00	117.49	81.44	3.3	3.3	.449	8	.425	9
403- 511	P1-01	.465	10	4.6	-8.18	-5.24	0.00	7.96	-35.37	3.9	3.9	.446	9	.293	7
406- 506	JL4-01	.473	7	4.6	7.62	6.00	0.00	-10.65	-84.63	3.3	3.3	.451	8	.366	9
406- 512	P1-01	.555	7	4.6	-9.84	-6.12	0.00	-.35	-24.38	3.9	3.9	.513	8	.464	9
501- 502	165-01	.425	8	15.1	-6.26	-5.42	0.00	-11.29	-1.79	53.5	26.7	.368	9	.353	7
501- 504	165-01	.858	7	0.0	-11.45	-11.19	0.00	4.21	4.31	53.5	26.7	.802	8	.734	9
501- 601	JL5-01	.718	7	0.0	-6.63	-14.04	0.00	126.44	-36.61	4.5	4.5	.675	8	.617	9
501- 632	210-01	.459	9	0.0	5.39	6.62	0.00	-13.36	-9.31	28.5	28.5	.419	10	.282	8
502- 503	165-01	.424	8	0.0	-6.42	-5.15	0.00	11.00	.90	53.5	26.7	.343	7	.247	10
502- 504	125-01	.153	8	0.0	.73	4.55	0.00	-1.54	-1.30	39.6	39.6	.181	10	.176	7
502- 505	125-01	.315	10	0.0	2.19	6.68	0.00	3.53	-1.06	39.6	39.6	.310	9	.233	7
503- 505	165-01	.592	10	0.0	-6.91	-9.34	0.00	-2.44	-6.49	53.5	26.7	.573	8	.504	7
503- 603	JL5-01	.665	7	0.0	-4.27	-14.55	0.00	-131.50	-43.99	4.5	4.5	.634	8	.612	9

3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
503- 655	210-01	.765	8	0.0	12.83	9.22	0.00	-6.16	-14.73	28.5	28.5	.761	10	.741	7
504- 505	125-01	.299	8	15.2	-2.27	-6.04	0.00	-3.91	.29	39.6	39.6	.292	7	.211	9
504- 506	165-01	.913	7	15.2	-12.19	-11.40	0.00	-.97	8.29	53.5	26.7	.736	9	.711	8
505- 506	165-01	.546	9	15.2	5.60	10.13	0.00	-3.57	7.10	53.5	26.7	.536	7	.517	10
508- 606	305-01	.557	7	0.0	10.97	7.96	0.00	10.86	72.20	4.5	4.5	.645	8	.557	10
508- 654	210-01	.698	7	0.0	15.37	9.90	0.00	10.31	-13.40	28.5	28.5	.727	8	.656	9
510- 710	P1-01	.277	8	0.0	-4.85	-5.12	0.00	7.44	29.98	21.4	21.4	.268	7	.162	10
511- 711	P1-01	.409	10	0.0	-8.10	-5.24	0.00	5.87	48.73	21.4	21.4	.446	9	.293	7
512- 712	P1-01	.555	7	0.0	-9.84	-6.12	0.00	-.33	63.01	21.4	21.4	.513	8	.464	9
601- 651	305-01	.518	7	0.0	-6.72	-8.19	0.00	96.40	-33.41	4.5	4.5	.482	8	.392	9
603- 653	305-01	.465	9	0.0	-8.09	-5.31	0.00	-53.76	-55.33	4.5	4.5	.452	7	.442	10
606- 656	305-01	.553	7	0.0	10.94	4.96	0.00	10.86	59.80	4.5	4.5	.549	8	.476	10
651- 651	306-01	.369	7	0.0	-6.75	-3.66	0.00	66.61	-26.77	4.5	4.5	.336	8	.227	9
652- 703	210-01	.435	10	21.9	-8.63	-7.68	0.00	-15.62	-5.06	30.9	30.9	.470	9	.227	7
653- 653	306-01	.354	9	0.0	-8.12	-2.08	0.00	-48.00	-46.05	4.5	4.5	.332	10	.292	7
654- 701	210-01	.576	8	21.9	-12.77	-3.00	0.00	8.88	-3.09	30.9	30.9	.571	7	.471	10
655- 706	210-01	.644	7	21.9	-15.24	-4.56	0.00	-9.17	-4.26	30.9	30.9	.604	8	.553	9
656- 656	305-01	.467	8	0.0	-10.82	-2.61	0.00	-6.16	-49.17	4.5	4.5	.465	7	.412	10
651- 701	305-01	.287	7	7.1	-7.00	-1.25	0.00	20.70	-13.51	5.2	5.2	.255	8	.134	9
653- 713	305-01	.356	9	7.1	-8.47	-1.78	0.00	-8.76	-14.05	5.2	5.2	.331	10	.221	7
656- 706	306-01	.425	8	7.1	-10.82	-1.38	0.00	-8.16	-32.16	5.2	5.2	.406	7	.381	10
701- 702	137-01	.401	10	18.8	-5.85	-6.09	0.00	-5.85	.00	82.3	41.1	.367	9	.351	8
701- 704	137-01	.378	9	18.8	-5.01	-6.59	0.00	5.72	-.04	82.3	41.1	.324	10	.212	8
701- 601	307-01	.304	7	8.6	-4.71	-4.04	0.00	-.70	.54	26.0	26.0	.280	8	.254	10
701- 606	200-01	.694	7	0.0	-12.61	-6.38	0.00	-7.35	9.27	76.3	76.3	.739	9	.678	8
702- 703	137-01	.359	8	0.0	-5.51	-6.05	0.00	5.94	.25	82.3	41.1	.339	10	.300	7
702- 704	127-01	.136	7	0.0	-.89	-3.10	0.00	2.25	-.11	49.0	49.0	.131	8	.022	9
702- 705	127-01	.210	9	0.0	-1.14	-4.71	0.00	-5.77	-.14	49.0	49.0	.205	10	.120	7
703- 705	137-01	.221	8	18.8	.84	5.51	0.00	3.95	-.44	82.3	41.1	.210	7	.165	10
703- 601	200-01	.679	9	0.0	-8.89	-9.48	0.00	16.30	3.79	76.3	76.3	.602	10	.338	7
703- 603	307-01	.568	9	8.6	-12.39	-4.16	0.00	-.21	-.67	26.0	26.0	.556	10	.470	7
704- 705	127-01	.225	10	0.0	-1.16	-5.13	0.00	3.89	-.16	49.0	49.0	.222	8	.213	9
704- 706	137-01	.303	9	18.8	-3.72	-3.81	0.00	3.98	.40	82.3	41.2	.239	10	.209	7
705- 706	137-01	.202	7	18.8	-1.65	-3.45	0.00	-2.60	.54	82.3	41.2	.196	9	.185	10
705- 603	200-01	.995	10	0.0	-13.78	-6.67	0.00	1.20	10.52	76.2	76.2	.931	8	.770	9
706- 606	307-01	.594	7	8.6	12.65	4.46	0.00	2.80	2.66	26.0	26.0	.590	8	.505	10
710- 610	P2-01	.255	8	34.5	-4.04	-2.27	0.00	7.25	-2.08	29.2	29.2	.208	7	.121	10
711- 611	P2-01	.359	10	0.0	-7.27	-3.01	0.00	6.19	-5.00	29.2	29.2	.320	9	.253	8
712- 612	P2-01	.411	7	0.0	-8.73	-2.70	0.00	-.33	-6.05	29.2	29.2	.352	9	.346	8
801- 602	180-01	.444	10	23.7	-5.62	-5.26	0.00	-7.20	.14	82.9	41.4	.367	9	.280	8
801- 604	180-01	.502	8	0.0	-4.70	-3.74	0.00	.94	-1.38	82.9	41.4	.295	7	.268	10
801-1001	308-01	.123	8	0.0	.30	3.25	0.00	-21.41	11.55	26.0	26.0	.123	7	.101	10
801-1002	180-01	.522	10	0.0	-7.33	-4.95	0.00	5.90	3.35	72.7	72.7	.421	9	.241	8
801-1004	160-01	.703	7	0.0	-13.45	-6.05	0.00	-2.77	5.60	72.7	72.7	.652	8	.567	9
802- 603	180-01	.404	10	0.0	-5.99	-3.36	0.00	4.42	.70	82.9	41.4	.314	9	.290	8
802- 604	140-01	.145	7	0.0	-.81	-3.17	0.00	1.67	.07	61.8	61.8	.142	8	.070	9
802- 605	140-01	.219	9	0.0	-1.13	-4.90	0.00	-2.86	-.01	61.8	61.8	.211	10	.125	7
803- 605	180-01	.495	7	23.7	-7.09	-4.47	0.00	-4.93	.70	82.9	41.4	.418	8	.414	9

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3-PILE ACMR STRUCTURE -- U.S. NAVY (42-IN. DIAMETER PILING) -- J.ATKINSON

MEMBER NO.	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END(FT)	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	SECOND-HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	THIRD-HIGHEST LOAD COND
803-1002	160-01	.566	9	0.0	-7.16	-6.96	0.00	6.69	2.23	72.7	72.7	.500	10	.211	8
803-1003	JL6-01	.066	10	17.2	.79	1.67	0.00	.49	.63	26.0	26.0	.069	9	.067	8
803-1005	160-01	.968	9	0.0	-15.01	-5.51	0.00	-.89	5.59	72.7	72.7	.860	7	.707	10
804- 805	148-01	.261	10	0.0	-1.25	-5.95	0.00	3.02	-.03	61.8	61.8	.250	8	.249	9
804- 806	188-01	.319	7	23.7	4.80	4.40	0.00	3.12	1.47	82.9	41.4	.302	8	.180	9
805- 806	185-01	.525	7	23.7	-7.74	-3.50	0.00	-1.56	1.46	82.9	41.4	.497	9	.365	10
806-1004	150-01	.854	8	0.0	-12.74	-5.85	0.00	-4.15	4.04	72.7	72.7	.686	7	.647	10
805-1005	150-01	1.010	10	0.0	-14.92	-6.48	0.00	.93	5.94	72.7	72.7	.859	8	.742	9
805-1006	JL6-01	.142	9	0.0	.72	3.36	0.00	-15.98	20.96	26.0	26.0	.125	10	.114	7
810-1010	P2-01	.301	8	34.5	-4.54	-4.12	0.00	7.41	-13.18	29.2	29.2	.274	7	.252	10
811-1011	P2-01	.422	10	34.5	-7.47	-4.64	0.00	5.93	-35.92	29.2	29.2	.368	9	.321	8
812-1012	P2-01	.499	7	34.5	-8.93	-5.35	0.00	-.33	-40.68	29.2	29.2	.437	8	.416	9
1001-1002	150-01	.293	8	0.0	-4.64	-1.63	0.00	-.36	.01	88.6	44.3	.253	7	.247	9
1001-1004	150-01	.348	8	0.0	-4.19	-3.60	0.00	-.70	-1.78	88.6	44.3	.318	7	.234	9
1002-1003	180-01	.556	10	28.6	-8.00	-3.95	0.00	-1.79	1.08	88.6	44.3	.417	9	.293	8
1002-1004	140-01	.209	7	0.0	-.55	-5.28	0.00	.04	.84	74.7	74.7	.205	10	.204	9
1002-1005	140-01	.193	7	0.0	-.52	-4.65	0.00	-.05	.79	74.7	74.7	.189	8	.168	9
1003-1005	180-01	.573	10	0.0	-7.27	-4.90	0.00	-.80	-2.17	88.6	44.3	.437	9	.334	8
1004-1005	140-01	.166	10	0.0	-.97	-4.02	0.00	.36	.49	74.7	74.7	.177	9	.090	8
1004-1006	180-01	.656	7	28.6	-9.15	-3.93	0.00	.64	1.69	88.6	44.3	.563	9	.456	8
1005-1006	180-01	.666	7	28.6	-9.35	-3.86	0.00	-.47	2.13	88.6	44.3	.604	9	.446	10
0- 0		0.000	0	0.0	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.000	0	0.000	0

APPENDIX B.3

SAPCHK - Primary Joints

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

.NAVY 8IFT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

I N P U T D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
201	301	30,000	1,500	1	-0,00	36
201	303	12,750	,500	1	62,65	36
203	303	30,000	1,500	1	-0,00	36
203	306	12,750	,500	1	62,65	36
206	306	30,000	1,500	1	-0,00	36
206	301	12,750	,500	1	62,65	36
201	301	30,000	1,500	2	-0,00	36
206	301	12,750	,750	2	62,65	36
301	306	12,750	,750	1	90,00	36
301	401	30,000	1,500	1	-0,00	36
301	306	12,750	,750	1	90,00	36
203	303	30,000	1,500	2	-0,00	36
201	303	12,750	,750	2	62,65	36
301	303	12,750	,750	2	90,00	36
303	403	30,000	1,500	1	-0,00	36
301	303	12,750	,750	2	90,00	36
206	306	30,000	1,500	2	-0,00	36
203	306	12,750	,750	2	62,65	36
303	306	12,750	,750	2	90,00	36
306	406	30,000	1,500	1	-0,00	36
303	305	12,750	,750	2	90,00	36
401	501	48,000	1,750	2	-0,00	36
501	502	16,000	1,000	1	81,82	36
501	504	16,000	1,000	1	81,82	36
501	601	48,000	1,750	1	-0,00	36
501	502	16,000	1,000	1	81,82	36
501	504	16,000	1,000	1	81,82	36
501	632	20,000	1,000	1	62,63	36
403	503	48,000	1,750	2	-0,00	36
502	503	16,000	1,000	2	81,82	36
503	505	16,000	1,000	1	81,82	36
503	603	48,000	1,750	1	-0,00	36
502	503	16,000	1,000	2	81,82	36
503	505	16,000	1,000	1	81,82	36
503	635	20,000	1,000	1	62,63	36
405	505	48,000	1,750	2	-0,00	36
504	505	16,000	1,000	2	81,82	36
505	506	16,000	1,000	2	81,82	36
505	605	48,000	1,750	1	-0,00	36
504	505	16,000	1,000	2	81,82	36
505	505	16,000	1,000	2	81,82	36
505	634	20,000	1,000	1	62,63	36
651	701	47,000	1,500	2	-0,00	36
701	702	12,750	,375	1	81,82	36
701	704	12,750	,375	1	81,82	36
634	701	20,000	,750	2	46,26	36
701	801	47,000	1,500	1	-0,00	36
701	702	12,750	,375	1	81,82	36
701	704	12,750	,375	1	81,82	36
701	806	20,000	,875	1	60,05	36
653	703	47,000	1,500	2	-0,00	36
702	703	12,750	,375	2	81,82	36

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36
703	705	12,750	,375	1	81,82	36
632	[illegible]	20,000	,750	2	46,26	36
703	[illegible]	47,000	1,500	1	-0,00	36
702	705	12,750	,375	2	81,82	36
703	705	12,750	,375	1	81,82	36
703	801	20,000	,875	1	60,05	36
656	706	47,000	1,500	2	-0,00	36
635	706	20,000	,750	2	46,26	36
705	706	12,750	,375	2	81,82	36
704	706	12,750	,375	2	81,82	36
706	803	47,000	1,500	1	-0,00	36
704	706	12,750	,375	2	81,82	36
705	706	12,750	,375	2	81,82	36
706	803	20,000	,875	1	60,05	36
701	801	46,000	1,125	2	-0,00	36
801	802	16,000	,500	1	81,82	36
801	804	16,000	,500	1	81,82	36
703	801	20,000	,750	2	43,68	36
801	1001	46,000	1,125	1	-0,00	36
801	802	16,000	,500	1	81,82	36
801	804	16,000	,500	1	81,82	36
801	1002	16,000	,750	1	42,64	36
801	1004	16,000	,750	1	42,64	36
703	803	46,000	1,125	2	-0,00	36
802	803	16,000	,500	2	81,82	36
803	805	16,000	,500	1	81,82	36
705	803	20,000	,750	2	43,68	36
803	1003	46,000	1,125	1	-0,00	36
802	803	16,000	,500	2	81,82	36
803	805	16,000	,500	1	81,82	36
803	1002	16,000	,750	1	42,64	36
803	1005	16,000	,750	1	42,64	36
705	806	46,000	1,125	2	-0,00	36
804	806	16,000	,500	2	81,82	36
805	806	16,000	,500	2	81,82	36
701	805	20,000	,750	2	43,68	36
806	1006	46,000	1,125	1	-0,00	36
804	805	16,000	,500	2	81,82	36
805	805	16,000	,500	2	81,82	36
806	1004	16,000	,750	1	42,64	36
806	1005	16,000	,750	1	42,64	36
801	1001	46,000	1,125	2	-0,00	36
1001	1002	18,000	,500	1	81,82	36
1001	1004	18,000	,500	1	81,82	36
803	1003	46,000	1,125	2	-0,00	36
1002	1003	18,000	,500	2	81,82	36
1003	1005	18,000	,500	1	81,82	36
805	1006	46,000	1,125	2	-0,00	36
1004	1006	18,000	,500	2	81,82	36
1005	1005	18,000	,500	2	81,82	36
1001	1002	24,000	,875	2	-0,00	36
801	1002	16,000	,500	2	55,54	36
1002	1003	24,000	,875	1	-0,00	36
803	1002	16,000	,500	2	55,54	36
1001	1004	24,000	,875	2	-0,00	36
801	1004	16,000	,500	2	55,54	36
1004	1005	24,000	,875	1	-0,00	36
806	1004	16,000	,500	2	55,54	36
1003	1005	24,000	,875	2	-0,00	36
803	1005	16,000	,500	2	55,54	36
1005	1006	24,000	,875	1	-0,00	36
806	1005	16,000	,500	2	55,54	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.275000E+01	5.000000E-01	1.924226E+01	5.671276E+01	3.600000E+01
2	1.275000E+01	7.500000E-01	2.827434E+01	8.014525E+01	3.600000E+01
3	1.600000E+01	1.000000E+00	4.712389E+01	1.664062E+02	3.600000E+01
4	2.000000E+01	1.000000E+00	5.969027E+01	2.700984E+02	3.600000E+01
5	1.275000E+01	3.750000E-01	1.437896E+01	4.381725E+01	3.600000E+01
6	2.000000E+01	7.500000E-01	4.535675E+01	2.104127E+02	3.600000E+01
7	2.000000E+01	8.750000E-01	5.257260E+01	2.408687E+02	3.600000E+01
8	1.600000E+01	5.000000E-01	2.434735E+01	9.149273E+01	3.600000E+01
9	1.600000E+01	7.500000E-01	3.593197E+01	1.308850E+02	3.600000E+01
10	1.800000E+01	5.000000E-01	2.748894E+01	1.170188E+02	3.600000E+01

LOAD CASE	LOAD FACTOR
7	1.330
8	1.330
9	1.330
10	1.330

END OF INFORMATION READ - FORCE

455 RECORDS TO BE SORTED

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER		JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	201	7			30.00	1.500	.421	1.231		
				201	303	12.75	.500	.073	10.813	3.068	11.003
201	301	201	8			30.00	1.500	.364	.341		
				201	303	12.75	.500	.220	4.076	1.209	11.003
201	301	201	9			30.00	1.500	.386	1.349		
				201	303	12.75	.500	.486	5.370	1.646	11.003
201	301	201	10			30.00	1.500	.379	.229		
				201	303	12.75	.500	.294	7.183	2.105	11.003
203	303	203	7			30.00	1.500	.014	1.739		
				203	306	12.75	.500	7.471	5.259	3.510	11.003
203	303	203	8			30.00	1.500	.929	.233		
				203	306	12.75	.500	6.894	5.661	3.466	11.003
203	303	203	9			30.00	1.500	.071	1.612		
				203	306	12.75	.500	6.140	3.244	2.500	11.003
203	303	203	10			30.00	1.500	.077	.761		
				203	306	12.75	.500	5.947	5.494	3.162	11.003
205	305	206	7			30.00	1.500	1.015	1.056		
				206	301	12.75	.500	8.497	9.684	5.036	11.003
206	306	206	8			30.00	1.500	.022	2.020		
				206	301	12.75	.500	7.463	7.197	4.054	11.003
206	306	206	9			30.00	1.500	.838	.842		
				206	301	12.75	.500	5.752	5.365	3.073	11.003
205	306	206	10			30.00	1.500	.185	1.634		
				205	301	12.75	.500	4.775	14.434	5.365	11.003
201	301	301	7			30.00	1.500	.448	12.454		
				205	301	12.75	.750	5.756	5.457	4.651	10.953
				301	305	12.75	.750	3.903	6.987	5.445	10.953

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	STRESS AXIAL	STRESS BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
201	301	301	8			30.00	1.500	.391	10.966		
				206	301	12.75	.750	5.108	2.811	3.268	11.003
				301	306	12.75	.750	3.580	9.224	6.402	11.003
201	301	301	9			30.00	1.500	.413	9.011		
				206	301	12.75	.750	3.887	.632	1.842	11.003
				301	306	12.75	.750	3.179	6.225	4.702	11.003
201	301	301	10			30.00	1.500	.406	7.963		
				206	301	12.75	.750	3.278	14.675	7.540	11.003
				301	306	12.75	.750	3.171	9.384	6.277	11.003
301	401	301	7			30.00	1.500	.189	14.565		
				301	306	12.75	.750	3.903	6.987	5.445	10.598
301	401	301	8			30.00	1.500	.824	13.864		
				301	306	12.75	.750	3.580	9.224	6.402	10.611
301	401	301	9			30.00	1.500	.943	10.911		
				301	306	12.75	.750	3.179	6.225	4.702	11.003
301	401	301	10			30.00	1.500	.221	9.910		
				301	306	12.75	.750	3.171	9.384	6.277	11.003
203	303	303	7			30.00	1.500	.013	13.451		
				201	303	12.75	.750	.077	15.544	6.605	10.845
				301	303	12.75	.750	.215	14.475	7.345	10.845
203	303	303	8			30.00	1.500	.956	12.221		
				201	303	12.75	.750	.122	10.791	4.613	10.900
				301	303	12.75	.750	.178	13.366	6.772	10.900
203	303	303	9			30.00	1.500	.098	11.352		
				201	303	12.75	.750	.359	13.555	5.878	11.003
				301	303	12.75	.750	1.433	14.476	7.954	11.003
203	303	303	10			30.00	1.500	.904	9.938		
				201	303	12.75	.750	.172	1.399	.662	11.003
				301	303	12.75	.750	1.845	10.932	6.309	11.003
303	403	303	7			30.00	1.500	.058	13.285		
				301	303	12.75	.750	.215	14.475	7.345	10.868

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = .NAVY 31FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
303 403	303	8		30.00	1.500	1.023	12.528		
			301 303	12.75	.750	.178	13.366	6.772	10.829
303 403	303	9		30.00	1.500	.211	11.197		
			301 303	12.75	.750	1.433	14.476	7.954	11.003
303 403	303	10		30.00	1.500	.915	10.438		
			301 303	12.75	.750	1.845	10.932	6.389	11.003
206 306	306	7		30.00	1.500	1.042	14.991		
			203 306	12.75	.750	5.112	4.687	4.063	10.353
			303 306	12.75	.750	2.383	10.558	6.470	10.353
205 305	305	8		30.00	1.500	.049	14.662		
			203 306	12.75	.750	4.663	3.028	3.179	10.565
			303 305	12.75	.750	1.952	9.612	5.882	10.568
205 305	305	9		30.00	1.500	.864	11.319		
			203 306	12.75	.750	4.206	3.948	3.301	11.003
			303 306	12.75	.750	2.524	6.904	4.714	11.003
205 305	305	10		30.00	1.500	.212	10.099		
			203 305	12.75	.750	4.020	3.847	3.263	11.003
			303 305	12.75	.750	3.370	5.093	4.232	11.003
305 405	305	7		30.00	1.500	1.602	16.513		
			303 306	12.75	.750	2.383	10.558	6.470	9.954
306 406	306	8		30.00	1.500	.360	15.493		
			303 306	12.75	.750	1.952	9.612	5.882	10.388
306 406	306	9		30.00	1.500	1.325	12.529		
			303 306	12.75	.750	2.524	6.904	4.714	10.771
305 405	305	10		30.00	1.500	.108	11.186		
			303 305	12.75	.750	3.370	5.093	4.232	11.003
401 501	501	7		48.00	1.750	3.757	8.860		
			501 503	16.00	1.000	3.108	3.569	3.645	8.733
			501 504	16.00	1.000	7.338	7.511	8.110	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = .NAVY 81FT NEW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
401 501	501	8		48.00	1.750	3.725	8.269		
			501 502	16.00	1.000	4.010	3.500	4.105	8.733
			501 504	16.00	1.000	6.833	8.332	8.277	8.733
401 501	501	9		48.00	1.750	.446	9.834		
			501 502	16.00	1.000	1.092	5.734	3.708	8.733
			501 504	16.00	1.000	6.298	6.705	7.101	8.733
401 501	501	10		48.00	1.750	.351	9.531		
			501 502	16.00	1.000	.962	5.333	3.419	8.733
			501 504	16.00	1.000	5.702	7.653	7.286	8.733
501 601	501	7		48.00	1.750	3.769	8.056		
			501 502	16.00	1.000	3.108	3.569	3.645	8.733
			501 504	16.00	1.000	7.338	7.511	8.110	8.733
			501 632	20.00	1.000	.189	6.103	3.037	8.733
501 601	501	5		48.00	1.750	3.609	7.504		
			501 502	16.00	1.000	4.010	3.500	4.105	8.733
			501 504	16.00	1.000	6.833	8.332	8.277	8.733
			501 632	20.00	1.000	.155	6.159	3.049	8.733
501 601	501	9		48.00	1.750	1.197	8.967		
			501 502	16.00	1.000	1.092	5.734	3.708	8.733
			501 504	16.00	1.000	6.298	6.705	7.101	8.733
			501 632	20.00	1.000	4.854	5.310	4.823	8.733
501 601	501	10		48.00	1.750	1.058	8.729		
			501 502	16.00	1.000	.962	5.333	3.419	8.733
			501 504	16.00	1.000	5.702	7.653	7.286	8.733
			501 632	20.00	1.000	5.036	4.227	4.384	8.733
403 503	503	7		48.00	1.750	3.821	9.444		
			502 503	16.00	1.000	3.224	2.868	3.329	8.639
			503 505	16.00	1.000	3.255	6.337	5.226	8.639
403 503	503	8		48.00	1.750	3.645	9.273		
			502 503	16.00	1.000	4.115	3.052	3.920	8.691
			503 505	16.00	1.000	3.371	7.525	5.934	8.691
403 503	503	9		48.00	1.750	5.930	6.250		
			502 503	16.00	1.000	.698	2.747	1.073	8.733
			503 505	16.00	1.000	4.167	5.036	5.023	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
403 503	503	10		48.00	1.750	6.029	5.927		
			502 503	16.00	1.000	.534	4.209	2.575	8.733
			503 505	16.00	1.000	4.426	6.272	5.836	8.733
503 603	503	7		48.00	1.750	2.429	8.518		
			502 503	16.00	1.000	3.224	2.668	3.329	8.733
			503 505	16.00	1.000	3.255	6.337	5.226	8.733
			503 635	20.00	1.000	10.057	6.118	7.634	8.733
503 603	503	8		48.00	1.750	2.206	8.241		
			502 503	16.00	1.000	4.115	3.052	3.920	8.733
			503 505	16.00	1.000	3.371	7.525	5.934	8.733
			503 635	20.00	1.000	9.746	7.186	8.005	8.733
503 603	503	9		48.00	1.750	4.556	5.509		
			502 503	16.00	1.000	.698	2.747	1.873	8.733
			503 505	16.00	1.000	4.167	5.036	5.023	8.733
			503 635	20.00	1.000	9.804	5.910	7.415	8.733
503 503	503	10		48.00	1.750	4.581	5.028		
			502 503	16.00	1.000	.534	4.209	2.575	8.733
			503 505	16.00	1.000	4.425	6.272	5.836	8.733
			503 635	20.00	1.000	9.780	7.032	7.947	8.733
406 506	506	7		48.00	1.750	7.619	6.000		
			504 506	16.00	1.000	7.812	7.649	8.446	8.585
			505 506	16.00	1.000	2.654	7.582	5.570	8.585
406 506	506	8		48.00	1.750	7.382	5.617		
			504 506	16.00	1.000	7.304	6.088	7.321	8.679
			505 506	16.00	1.000	2.778	6.145	4.859	8.679
406 506	506	9		48.00	1.750	6.456	4.661		
			504 505	16.00	1.000	6.522	6.072	6.881	8.733
			505 505	16.00	1.000	3.591	6.796	5.660	8.733
405 505	505	10		48.00	1.750	6.467	4.509		
			504 506	16.00	1.000	5.896	4.641	5.761	8.733
			505 506	16.00	1.000	3.848	5.609	5.158	8.733
506 605	506	7		48.00	1.750	6.235	4.563		
			504 506	16.00	1.000	7.812	7.649	8.446	8.733
			505 505	16.00	1.000	2.654	7.582	5.570	8.733
			506 634	20.00	1.000	10.156	7.713	8.450	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
506	606 506	8		48.00	1.750	6.119	4.479		
			504 506	16.00	1.000	7.304	6.08[illegible]	7.321	8.733
			505 506	16.00	1.000	2.778	6.145	4.859	8.733
			506 634	20.00	1.000	9.695	6.248	7.528	8.733
506	606 506	9		48.00	1.750	5.495	3.431		
			504 506	16.00	1.000	6.522	6.072	6.881	8.733
			505 506	16.00	1.000	3.591	6.796	5.660	8.733
			505 634	20.00	1.000	7.081	7.493	6.914	8.733
506	606 506	10		48.00	1.750	5.606	3.546		
			504 506	16.00	1.000	5.896	4.641	5.761	8.733
			505 505	16.00	1.000	3.848	5.609	5.158	8.733
			506 634	20.00	1.000	6.838	6.493	6.318	8.733
651	701 701	7		47.00	1.500	4.720	.863		
			701 702	12.75	.375	2.801	2.129	1.179	7.930
			701 704	12.75	.375	.519	1.292	.431	7.930
			634 701	20.00	.750	13.353	2.985	4.045	7.930
651	701 701	8		47.00	1.500	4.312	.648		
			701 702	12.75	.375	3.537	2.323	1.403	7.930
			701 704	12.75	.375	1.219	2.077	.976	7.930
			634 701	20.00	.750	12.767	2.998	4.677	7.930
651	701 701	9		47.00	1.500	1.567	1.045		
			701 702	12.75	.375	3.611	2.451	1.451	7.930
			701 704	12.75	.375	3.011	1.681	1.124	7.930
			634 701	20.00	.750	9.311	4.171	4.040	7.930
651	701 701	10		47.00	1.500	1.188	1.082		
			701 702	12.75	.375	3.832	2.040	1.407	7.930
			701 704	12.75	.375	2.536	2.521	1.208	7.930
			634 701	20.00	.750	9.008	4.246	3.975	7.930
701	801 701	7		47.00	1.500	1.571	1.098		
			701 702	12.75	.375	2.801	2.129	1.179	7.930
			701 704	12.75	.375	.519	1.292	.431	7.930
			701 806	20.00	.875	9.124	4.731	6.493	7.930
701	801 701	8		47.00	1.500	1.265	1.049		
			701 702	12.75	.375	3.537	2.323	1.403	7.930
			701 704	12.75	.375	1.219	2.677	.976	7.930
			701 806	20.00	.875	8.668	5.597	6.705	7.930

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701 801	701	9		47,00	1,500	,510	1,051		
			701 702	12,75	,375	3,611	2,451	1,451	7,930
			701 704	12,75	,375	3,011	1,681	1,124	7,930
			701 806	20,00	,875	5,599	4,423	4,724	7,930
701 801	701	10		47,00	1,500	,852	1,223		
			701 702	12,75	,375	3,832	2,040	1,407	7,930
			701 704	12,75	,375	2,536	2,521	1,203	7,930
			701 806	20,00	,875	5,283	4,807	4,765	7,930
653 703	703	7		47,00	1,500	3,111	1,209		
			702 703	12,75	,375	2,775	1,005	,907	7,930
			703 705	12,75	,375	,484	2,486	,706	7,930
			632 703	20,00	,750	,242	6,282	2,061	7,930
653 703	703	8		47,00	1,500	2,551	,947		
			702 703	12,75	,375	3,512	1,479	1,197	7,930
			703 705	12,75	,375	,838	3,446	1,019	7,930
			632 703	20,00	,750	,196	6,201	2,022	7,930
653 703	703	9		47,00	1,500	5,712	1,224		
			703 703	12,75	,375	4,281	2,771	1,683	7,930
			703 705	12,75	,375	,532	2,310	,676	7,930
			632 703	20,00	,750	6,377	7,168	4,133	7,930
653 703	703	10		47,00	1,500	5,463	,974		
			702 703	12,75	,375	4,516	3,364	1,885	7,930
			703 705	12,75	,375	1,757	2,997	1,134	7,930
			632 703	20,00	,750	6,635	7,275	4,242	7,930
703 803	703	7		47,00	1,500	3,030	1,047		
			702 703	12,75	,375	2,775	1,005	,907	7,930
			703 705	12,75	,375	,484	2,486	,706	7,930
			703 801	20,00	,875	,267	5,891	2,987	7,930
703 803	703	8		47,00	1,500	2,535	,860		
			702 703	12,75	,375	3,512	1,479	1,197	7,930
			703 705	12,75	,375	,838	3,446	1,019	7,930
			703 801	20,00	,875	,108	6,129	3,030	7,930
703 803	703	9		47,00	1,500	4,103	1,114		
			702 703	12,75	,375	4,281	2,771	1,688	7,930
			703 705	12,75	,375	,532	2,310	,676	7,930
			703 801	20,00	,875	4,987	7,034	5,712	7,930

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703	803	703	10			47,00	1,500	3,782	,966		
				702	703	12,75	,375	4,516	3,364	1,885	7,930
				703	705	12,75	,375	1,757	2,997	1,134	7,930
				703	801	20,00	,875	5,031	7,709	6,060	7,930
655	706	706	7			47,00	1,500	7,362	,532		
				635	706	20,00	,750	13,244	4,565	5,313	7,930
				705	706	12,75	,375	1,651	3,453	1,216	7,930
				704	705	12,75	,375	1,697	3,578	1,257	7,930
656	706	706	8			47,00	1,500	7,289	,949		
				635	706	20,00	,750	12,819	4,581	5,194	7,930
				705	706	12,75	,375	2,008	2,642	1,110	7,930
				704	706	12,75	,375	2,399	2,966	1,281	7,930
655	706	706	9			47,00	1,500	6,484	,245		
				635	706	20,00	,750	12,909	,165	3,021	7,930
				705	706	12,75	,375	1,871	2,967	1,154	7,930
				704	706	12,75	,375	3,722	3,012	1,800	7,930
655	705	705	10			47,00	1,500	6,681	,719		
				635	706	20,00	,750	12,862	1,711	4,297	7,930
				705	706	12,75	,375	3,103	1,724	1,156	7,930
				704	706	12,75	,375	3,236	3,652	1,645	7,930
705	805	706	7			47,00	1,500	4,152	1,006		
				704	705	12,75	,375	1,697	3,578	1,257	7,930
				705	706	12,75	,375	1,651	3,453	1,216	7,930
				706	803	20,00	,875	9,275	6,899	7,617	7,930
706	806	706	8			47,00	1,500	4,236	1,209		
				704	706	12,75	,375	2,399	2,966	1,281	7,930
				705	706	12,75	,375	2,008	2,642	1,110	7,930
				705	803	20,00	,875	8,774	5,745	6,826	7,930
705	505	705	9			47,00	1,500	3,212	,934		
				704	706	12,75	,375	3,722	3,012	1,800	7,930
				705	706	12,75	,375	1,871	2,967	1,154	7,930
				705	803	20,00	,875	10,023	6,179	7,610	7,930
705	805	705	10			47,00	1,500	3,455	1,103		
				704	706	12,75	,375	3,236	3,652	1,645	7,930
				705	706	12,75	,375	3,103	1,724	1,156	7,930
				706	803	20,00	,875	9,968	5,094	7,058	7,930

SAPCHK = CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = ,NAVY 81FT MLW STRUCTURE 27=771=01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/= =S T R E S S = =/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
701	801 801	7		46.00	1.125	2.020	1.209		
			801 802	16.00	.500	2.483	.809	1.404	6.547
			801 804	16.00	.500	5.509	2.980	3.615	6.547
			703 801	20.00	.750	.302	7.836	3.278	6.547
701	801 801	8		46.00	1.125	1.814	1.514		
			801 802	16.00	.500	2.668	1.060	1.589	6.547
			801 804	16.00	.500	4.700	3.738	3.583	6.547
			703 801	20.00	.750	.117	8.018	3.204	6.547
701	801 801	9		46.00	1.125	.793	1.261		
			801 802	16.00	.500	5.401	5.007	4.423	6.547
			801 804	16.00	.500	1.708	4.721	2.721	6.547
			703 801	20.00	.750	5.773	5.231	4.219	6.547
701	801 801	10		46.00	1.125	1.048	1.354		
			801 802	16.00	.500	5.619	5.012	4.519	6.547
			801 804	16.00	.500	1.693	5.274	2.943	6.547
			703 801	20.00	.750	5.839	5.367	4.293	6.547
801	1001 801	7		46.00	1.125	.368	1.203		
			801 802	16.00	.500	2.483	.809	1.404	6.547
			801 804	16.00	.500	5.509	2.980	3.615	6.547
			801 1002	16.00	.750	.067	4.537	1.827	6.547
			801 1004	16.00	.750	9.112	4.228	4.912	6.547
801	1001 801	8		46.00	1.125	.132	1.470		
			801 802	16.00	.500	2.668	1.060	1.589	6.547
			801 804	16.00	.500	4.700	3.738	3.583	6.547
			801 1002	16.00	.750	.134	4.712	1.920	6.547
			801 1004	16.00	.750	8.577	4.274	4.740	6.547
801	1001 801	9		46.00	1.125	.134	1.145		
			801 802	16.00	.500	5.401	5.007	4.423	6.547
			801 804	16.00	.500	1.708	4.721	2.721	6.547
			801 1002	16.00	.750	4.815	3.501	3.099	6.547
			801 1004	16.00	.750	5.538	3.463	3.340	6.547
801	1001 801	10		46.00	1.125	.095	1.220		
			801 802	16.00	.500	5.619	5.012	4.519	6.547
			801 804	16.00	.500	1.693	5.274	2.948	6.547
			801 1002	16.00	.750	4.964	3.460	3.135	6.547
			801 1004	16.00	.750	5.387	3.508	3.304	6.547

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR = ,NAVY 81FT HLM STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703 803	803	7		46.00	1.125	3.993	.564		
			802 803	16.00	.500	2.420	2.151	1.943	6.547
			803 805	16.00	.500	7.092	4.150	4.786	6.547
			706 803	20.00	.750	10.759	4.453	5.722	6.547
703 303	803	8		46.00	1.125	3.531	.876		
			802 803	16.00	.500	2.606	2.362	2.111	6.547
			803 805	16.00	.500	7.227	4.799	5.118	6.547
			705 303	20.00	.750	10.162	3.577	5.153	6.547
703 803	803	9		46.00	1.125	5.443	.438		
			802 803	16.00	.500	5.758	1.583	3.133	6.547
			803 805	16.00	.500	6.138	2.943	3.869	6.547
			706 803	20.00	.750	11.624	3.591	5.689	6.547
703 803	803	10		46.00	1.125	5.217	1.202		
			802 803	16.00	.500	5.986	2.620	3.663	6.547
			503 805	16.00	.500	6.941	3.967	4.64[illegible]	6.547
			706 803	20.00	.750	11.545	2.565	5.24[illegible]	6.547
803 1003	805	7		46.00	1.125	.359	.463		
			803 303	16.00	.500	2.420	2.151	1.943	6.547
			803 305	16.00	.500	7.092	4.150	4.706	6.547
			803 1002	16.00	.750	.015	3.983	1.588	6.547
			803 1005	16.00	.750	9.090	3.600	4.654	6.547
803 1003	805	8		46.00	1.125	.114	.584		
			802 303	16.00	.500	2.606	2.362	2.111	6.547
			803 805	16.00	.500	7.227	4.799	5.118	6.547
			803 1002	16.00	.750	.143	4.041	1.657	6.547
			803 1005	16.00	.750	8.443	3.577	4.415	6.547
803 1003	805	9		46.00	1.125	.529	.117		
			802 303	16.00	.500	5.758	1.583	3.133	6.547
			803 303	16.00	.500	6.138	2.943	3.869	6.547
			803 1002	16.00	.750	4.853	4.862	3.653	6.547
			303 1005	16.00	.750	10.172	3.849	5.137	6.547
803 1003	805	10		46.00	1.125	.301	.649		
			802 803	16.00	.500	5.986	2.620	3.653	6.547
			803 805	16.00	.500	6.941	3.967	4.644	6.547
			003 1002	16.00	.750	4.938	4.976	3.728	6.547
			803 1005	16.00	.750	10.081	3.822	5.094	6.547

SAPCHK - CREST OFFSHORE, INC, STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
706	806 806	7			46,00	1,125	5,716	1,477		
			804	806	16,00	,500	4,796	4,396	3,907	6,547
			805	806	16,00	,500	7,743	3,502	4,792	6,547
			701	806	20,00	,750	10,568	4,948	5,852	6,547
706	806 805	8			46,00	1,125	5,623	,661		
			804	806	16,00	,500	3,988	3,200	3,056	6,547
			805	806	16,00	,500	7,882	2,068	4,247	6,547
			701	806	20,00	,750	10,055	5,160	5,751	6,547
706	806 806	9			46,00	1,125	4,446	1,608		
			804	806	16,00	,500	1,255	3,923	2,191	6,547
			805	806	16,00	,500	6,902	3,968	4,628	6,547
			701	806	20,00	,750	6,483	6,263	5,704	6,547
705	806 805	10			46,00	1,125	4,567	,983		
			804	806	16,00	,500	1,245	3,228	1,894	6,547
			805	806	16,00	,500	7,707	2,808	4,484	6,547
			701	805	20,00	,750	6,131	6,457	5,658	6,547
806	1006 805	7			46,00	1,125	,387	1,093		
			804	806	16,00	,500	4,796	4,395	3,907	6,547
			805	805	16,00	,500	7,743	3,502	4,792	6,547
			806	1004	16,00	,750	9,098	4,425	4,984	6,547
			806	1005	16,00	,750	9,043	4,688	5,070	6,547
806	1005 806	8			46,00	1,125	,588	,646		
			804	806	16,00	,500	3,988	3,200	3,056	6,547
			805	806	16,00	,500	7,882	2,068	4,247	6,547
			806	1004	16,00	,750	8,633	4,098	4,690	6,547
			806	1005	16,00	,750	8,469	4,390	4,748	6,547
805	1006 806	9			46,00	1,125	,320	1,522		
			804	806	16,00	,500	1,255	3,923	2,191	6,547
			805	806	16,00	,500	6,902	3,968	4,628	6,547
			806	1004	16,00	,750	5,531	5,161	4,012	6,547
			806	1005	16,00	,750	10,112	4,510	5,378	6,547
805	1005 805	12			46,00	1,125	,545	1,035		
			804	806	16,00	,500	1,245	3,228	1,894	6,547
			805	806	16,00	,500	7,707	2,808	4,484	6,547
			806	1004	16,00	,750	5,443	5,093	3,954	6,547
			806	1005	16,00	,750	10,108	4,528	5,384	6,547

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - ,NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
806 1006	1006	10		46.00	1.125	.441	.311		
			1004 1006	18.00	.500	8.467	3.453	5.081	6.547
			1005 1006	18.00	.500	8.418	4.495	5.499	6.547
1001 1002	1002	7		24.00	.875	2.242	.328		
			801 1002	16.00	.500	.089	2.940	1.307	8.850
1001 1002	1002	8		24.00	.875	2.005	.406		
			801 1002	16.00	.500	.201	2.985	1.373	8.850
1001 1002	1002	9		24.00	.875	.352	.693		
			801 1002	16.00	.500	7.115	3.551	4.463	8.850
1001 1002	1002	10		24.00	.875	.123	.686		
			801 1002	16.00	.500	7.318	3.465	4.509	8.850
1002 1003	1002	7		24.00	.875	2.214	.219		
			803 1002	16.00	.500	.031	3.673	1.590	8.850
1002 1003	1002	8		24.00	.875	1.913	.337		
			803 1002	16.00	.500	.207	3.697	1.593	8.850
1002 1003	1002	9		24.00	.875	3.616	.504		
			803 1002	16.00	.500	7.156	3.392	4.411	8.850
1002 1003	1002	10		24.00	.875	3.459	.652		
			803 1002	16.00	.500	7.295	3.468	4.501	8.850
1001 1004	1004	7		24.00	.875	2.157	.692		
			801 1004	16.00	.500	13.440	3.595	7.085	8.850
1001 1004	1004	8		24.00	.875	1.813	.976		
			801 1004	16.00	.500	12.668	3.686	6.807	8.850
1001 1004	1004	9		24.00	.875	.187	.703		
			801 1004	16.00	.500	8.167	3.618	4.925	8.850
1001 1004	1004	10		24.00	.875	.023	.744		
			801 1004	16.00	.500	7.959	3.681	4.867	8.850
1004 1005	1004	7		24.00	.875	3.957	.848		
			806 1004	16.00	.500	13.437	4.128	7.315	8.850

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY SIFT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1004	1006 1004	8		24,00	,875	3,971	,631		
			806 1004	16,00	,500	12,732	3,580	6,787	8,850
1004	1006 1004	9		24,00	,875	3,528	,548		
			806 1004	16,00	,500	8,172	3,367	4,818	8,050
1004	1006 1004	10		24,00	,875	3,662	,382		
			806 1004	16,00	,500	8,028	3,215	4,699	8,850
1003	1005 1005	7		24,00	,875	2,043	,711		
			803 1003	16,00	,500	13,407	4,302	7,377	8,850
1003	1005 1005	8		24,00	,875	1,627	,804		
			803 1003	16,00	,500	12,470	4,381	7,026	8,050
1003	1005 1005	9		24,00	,875	3,445	,753		
			803 1003	16,00	,500	15,004	4,420	8,085	8,050
1003	1005 1003	10		24,00	,875	3,142	,925		
			803 1003	16,00	,500	14,885	4,414	[illegible]	8,850
1003	1005 1005	7		24,00	,875	4,043	1,065		
			806 1003	16,00	,500	13,355	3,475	6,999	8,850
1003	1005 1003	8		24,00	,875	4,058	,833		
			806 1005	16,00	,500	12,489	2,977	6,427	8,050
1003	1005 1003	9		24,00	,875	3,370	1,179		
			806 1005	16,00	,500	14,932	3,504	7,661	8,850
1005	1006 1005	10		24,00	,875	3,640	,994		
			806 1005	16,00	,500	14,908	3,436	7,621	8,850

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.4

SAPACHK - Secondary Joints

6000 REMUTE 6 TCM

Secondary joints - sapcheck

UNITED COMPUTING 67. APEX/SL R.7.0

11.06.29.   09/01/76.

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PPPPPPPPPPP   UU          UU  YY          YY      111        RRRRRRRRRRR   X           X  ZZZZZZZZZZZZ
PPPPPPPPPPPP  UU          UU  YY          YY     1111        RRRRRRRRRRRR  XX         XX  ZZZZZZZZZZZZ
PP         PP UU          UU  YY          YY    1  11        RR         RR  XX        XX  Z          ZZ
PP         PP UU          UU  YY          YY       11        RR         RR   XX      XX            ZZ
PP         PP UU          UU  YY          YY       11        RR         RR    XX    XX            ZZ
PP         PP UU          UU  YY          YY       11        RR         RR     XX  XX            ZZ
PPPPPPPPPPPP  UU          UU   YYY      YYY        11        RR         RR      XXXX            ZZ
PPPPPPPPPPP   UU          UU    YYY    YYY         11        RRRRRRRRRRRR        XX        ZZZZZZZZ
PP            UU          UU      YYY YYY          11        RRRRRRRRRRR         XX           ZZ
PP            UU          UU        YYYY           11        RR  RR             XXXX         ZZ
PP            UU          UU         YY            11        RR   RR           XX  XX       ZZ
PP            UU          UU         YY            11        RR    RR         XX    XX     ZZ
PP            UU          UU         YY            11        RR     RR       XX      XX   ZZ
PP            UU          UU         YY            11        RR      RR     XX        XX ZZ          Z
PP            UUUUUUUUUUUUUU         YY       111111111111   RR       RR    XX        XX ZZZZZZZZZZZZ
PP              UUUUUUUUUU           YY       111111111111   RR        RR   X          X ZZZZZZZZZZZZ
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PMHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

API CODE CHECK, PUNCHING SHEAR FOR TUBULAR MEMBERS

NAVY 8IFT MLH STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

I N P U T   D A T A

MEMBER	JOINT	DIAMETER	THICKNESS	START/END	THETA ANGLE	YIELD
501	502	16.000	.625	2	-0.00	36
502	504	10.750	.365	1	60.00	36
502	505	10.750	.365	1	60.00	36
503	505	16.000	.625	2	-0.00	36
502	505	10.750	.365	2	60.00	36
504	505	10.750	.365	2	60.00	36
501	504	16.000	.625	2	-0.00	36
502	504	10.750	.365	2	60.00	36
504	505	10.750	.365	1	60.00	36
701	702	12.750	.375	2	-0.00	36
702	704	10.750	.365	1	60.00	36
702	705	10.750	.365	1	60.00	36
701	704	12.750	.375	2	-0.00	36
702	704	10.750	.365	2	60.00	36
704	705	10.750	.365	1	60.00	36
703	705	12.750	.375	2	-0.00	36
702	705	10.750	.365	2	60.00	36
704	705	10.750	.365	2	60.00	36
801	802	16.000	.500	2	-0.00	36
802	804	10.750	.365	1	60.00	36
802	805	10.750	.365	1	60.00	36
803	805	16.000	.500	2	-0.00	36
802	805	10.750	.365	2	60.00	36
804	805	10.750	.365	2	60.00	36
801	804	16.000	.500	2	-0.00	36
802	804	10.750	.365	2	60.00	36
804	805	10.750	.365	1	60.00	36
1001	1002	24.000	.875	2	-0.00	36
1002	1004	10.750	.365	1	60.00	36
1002	1003	24.000	.875	1	-0.00	36
1002	1005	10.750	.365	1	60.00	36
1001	1004	24.000	.875	2	-0.00	36
1002	1004	10.750	.365	2	60.00	36
1004	1006	24.000	.875	1	-0.00	36
1004	1005	10.750	.365	1	60.00	36
1003	1005	24.000	.875	2	-0.00	36
1002	1005	10.750	.365	2	60.00	36
1005	1006	24.000	.875	1	-0.00	36
1004	1005	10.750	.365	2	60.00	36

BRACE PROPERTIES TABLE

NUMBER	DIAMETER	THICKNESS	AREA	MODULUS	YIELD
1	1.075000E+01	3.650000E-01	1.190829E+01	2.990404E+01	3.600000E+01

LOAD CASE	LOAD FACTOR
7	1.330
8	1.330
9	1.330

END UF INFL   TIUN READ = FORCE

156 RECURDS TU BE SORTED

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	502	502	7			16.00	.625	4.852	5.243		
				502	504	10.75	.365	.710	4.265	2.402	9.326
				502	505	10.75	.365	1.603	4.896	3.120	9.326
501	502	502	8			16.00	.625	6.260	5.422		
				502	504	10.75	.365	.734	4.546	2.550	9.326
				502	505	10.75	.365	1.560	4.928	3.116	9.326
501	502	502	9			16.00	.625	1.705	4.200		
				502	504	10.75	.365	.388	4.317	2.279	9.326
				502	505	10.75	.365	2.108	6.560	4.162	9.326
501	502	502	10			16.00	.625	1.501	4.047		
				502	504	10.75	.365	.503	4.567	2.481	9.326
				502	505	10.75	.365	2.190	6.084	4.357	9.326
503	505	505	7			16.00	.625	5.081	1.756		
				502	505	10.75	.365	1.607	4.184	2.775	9.326
				504	505	10.75	.365	2.281	6.124	4.029	9.326
503	505	505	8			16.00	.625	5.263	1.601		
				502	505	10.75	.365	1.560	4.126	2.725	9.326
				504	505	10.75	.365	2.271	6.042	3.985	9.326
503	505	505	9			16.00	.625	6.504	1.621		
				502	505	10.75	.365	2.106	2.075	2.270	9.326
				504	505	10.75	.365	1.625	3.535	2.467	9.326
503	505	505	10			16.00	.625	6.909	1.946		
				502	505	10.75	.365	2.191	2.280	2.117	9.326
				504	505	10.75	.365	1.564	3.448	2.397	9.326
501	504	504	7			16.00	.625	11.454	5.293		
				502	504	10.75	.365	.715	3.023	2.092	8.659
				504	505	10.75	.365	2.281	3.696	2.847	8.659
501	504	504	8			16.00	.625	10.665	5.126		
				502	504	10.75	.365	.734	3.201	1.895	8.814
				504	505	10.75	.365	2.271	3.119	2.562	8.814

PCMR - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSI SYSTEM

PUNCHING SHEAR CHECK FOR - NAVY MIFT MLR STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
501	504	504	9			16.00	.625	9.830	5.350		
				502	504	10.75	.365	.389	3.227	1.749	8.913
				504	505	10.75	.365	1.625	4.461	2.918	8.913
501	504	504	10			16.00	.625	8.899	5.488		
				502	504	10.75	.365	.563	2.950	1.694	9.042
				504	505	10.75	.365	1.564	4.067	2.698	9.042
701	702	702	7			12.75	.375	2.801	5.605		
				702	704	10.75	.365	.687	3.099	3.040	8.880
				702	705	10.75	.365	.640	2.715	2.691	8.880
701	702	702	8			12.75	.375	3.537	5.739		
				702	704	10.75	.365	.690	3.086	3.032	8.880
				702	705	10.75	.365	.642	2.695	2.678	8.880
701	702	702	9			12.75	.375	3.611	6.970		
				702	704	10.75	.365	.043	.223	.214	8.880
				702	705	10.75	.365	1.137	4.713	4.694	8.880
701	702	702	10			12.75	.375	3.832	6.687		
				702	704	10.75	.365	.005	.370	.334	8.880
				702	705	10.75	.365	1.142	4.765	4.720	8.880
701	704	704	7			12.75	.375	.522	4.786		
				702	704	10.75	.365	.688	1.707	1.912	8.880
				704	705	10.75	.365	1.316	4.641	4.772	8.880
701	704	704	8			12.75	.375	1.222	4.878		
				702	704	10.75	.365	.691	1.715	1.921	8.880
				704	705	10.75	.365	1.320	4.642	4.777	8.880
701	704	704	9			12.75	.375	3.009	6.589		
				702	704	10.75	.365	.043	.569	.495	8.880
				704	705	10.75	.365	1.161	4.968	4.919	8.880
701	704	704	10			12.75	.375	2.530	6.810		
				702	704	10.75	.365	.005	.422	.346	8.880
				704	705	10.75	.365	1.161	5.128	5.049	8.880
705	705	705	7			12.75	.375	.488	5.536		
				702	705	10.75	.365	.640	1.977	2.094	8.880
				704	705	10.75	.365	1.316	4.795	4.898	8.880

SAPCHK - CREST OFFSHORE, INC. STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY RIFT MLR STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER		LOAD CASE	BRACE NUMBER		DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
703	705	705	8			12.75	.375	.842	5.508		
				702	705	10.75	.365	.643	2.035	2.144	8.880
				704	705	10.75	.365	1.320	4.640	4.937	8.880
703	705	705	9			12.75	.375	.532	2.721		
				702	705	10.75	.365	1.134	3.527	3.730	8.880
				704	705	10.75	.365	1.161	3.358	3.613	8.880
703	705	705	10			12.75	.375	1.757	2.747		
				702	705	10.75	.365	1.143	3.410	3.642	8.880
				704	705	10.75	.365	1.161	3.405	3.651	8.880
801	802	802	7			16.00	.500	2.483	4.103		
				802	804	10.75	.365	.813	3.171	2.396	7.914
				802	805	10.75	.365	.571	2.186	1.658	7.914
801	802	802	8			16.00	.500	2.668	4.227		
				802	804	10.75	.365	.821	3.261	2.456	7.914
				802	805	10.75	.365	.590	2.223	1.691	7.914
801	802	802	9			16.00	.500	5.401	5.171		
				802	804	10.75	.365	.122	1.360	.898	7.914
				802	805	10.75	.365	1.125	4.903	3.630	7.914
801	802	802	10			16.00	.500	5.619	5.261		
				802	804	10.75	.365	.102	1.590	1.026	7.914
				802	805	10.75	.365	1.150	4.933	3.661	7.914
803	805	805	7			16.00	.500	7.094	4.472		
				802	805	10.75	.365	.574	2.874	2.078	7.914
				804	805	10.75	.365	1.387	4.626	3.611	7.914
803	805	805	8			16.00	.500	7.227	4.424		
				802	805	10.75	.365	.590	2.932	2.123	7.914
				804	805	10.75	.365	1.380	4.707	3.656	7.914
803	805	805	9			16.00	.500	6.138	2.252		
				802	805	10.75	.365	1.134	3.644	2.868	7.914
				804	805	10.75	.365	1.252	3.054	2.577	7.914
803	805	805	10			16.00	.500	6.941	2.207		
				802	805	10.75	.365	1.149	3.587	2.842	7.914
				804	805	10.75	.365	1.250	3.019	2.555	7.914

PUNCHING SHEAR CHECK FOR - NAVY 81F1 MLW STRUCTURE 27-7/1-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
801	804 804	7		16.00	.500	5.507	2.430		
			802 804	10.75	.365	.815	2.792	2.167	7.914
			804 805	10.75	.365	1.367	5.586	4.196	7.914
801	804 804	8		16.00	.500	4.699	2.420		
			802 804	10.75	.365	.823	2.693	2.111	7.914
			804 805	10.75	.365	1.380	5.471	4.121	7.914
801	804 804	9		16.00	.500	1.707	4.375		
			802 804	10.75	.365	.122	1.670	1.211	7.914
			804 805	10.75	.365	1.252	5.929	4.326	7.914
801	804 804	10		16.00	.500	1.692	4.446		
			802 804	10.75	.365	.102	1.612	1.161	7.914
			804 805	10.75	.365	1.250	5.952	4.339	7.914
1001	1002 1002	7		24.00	.875	2.242	.328		
			1002 1004	10.75	.365	.547	5.277	2.014	8.733
1001	1002 1002	8		24.00	.875	2.005	.406		
			1002 1004	10.75	.365	.605	5.226	2.01[illegible]	8.733
1001	1002 1002	9		24.00	.875	.352	.693		
			1002 1004	10.75	.365	.035	5.833	2.039	8.733
1001	1002 1002	10		24.00	.875	.123	.686		
			1002 1004	10.75	.365	.035	5.866	2.051	8.733
1002	1003 1002	7		24.00	.875	2.214	.219		
			1002 1005	10.75	.365	.517	4.851	1.856	8.733
1002	1003 1002	8		24.00	.875	1.913	.339		
			1002 1005	10.75	.365	.570	4.867	1.879	8.733
1002	1003 1002	9		24.00	.875	3.616	.504		
			1002 1005	10.75	.365	.956	3.545	1.546	8.733
1002	1003 1002	10		24.00	.875	3.459	.652		
			1002 1005	10.75	.365	.983	3.532	1.550	8.733
1001	1004 1004	7		24.00	.875	2.157	.892		
			1002 1004	10.75	.365	.535	4.391	1.702	8.733

SAPCHK - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR SYSTEM

PUNCHING SHEAR CHECK FOR - .NAVY 81FT MLW STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - -/ AXIAL	BENDING	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1001	1004 1004	8		24.00	.875	1.813	.976		
			1002 1004	10.75	.365	.594	4.212	1.659	8.733
1001	1004 1004	9		24.00	.875	.167	.705		
			1002 1004	10.75	.365	.035	5.688	1.989	8.733
1001	1004 1004	10		24.00	.875	.023	.744		
			1002 1004	10.75	.365	.035	5.674	1.984	8.733
1004	1006 1004	7		24.00	.875	3.957	.848		
			1004 1005	10.75	.365	1.119	1.433	.865	8.733
1004	1006 1004	8		24.00	.875	3.971	.631		
			1004 1005	10.75	.365	1.090	1.126	.749	8.733
1004	1006 1004	9		24.00	.875	3.528	.546		
			1004 1005	10.75	.365	.991	4.114	1.756	8.733
1004	1006 1004	10		24.00	.875	3.662	.382		
			1004 1005	10.75	.365	.974	4.023	1.719	8.733
1003	1005 1005	7		24.00	.875	2.043	.711		
			1002 1005	10.75	.365	.506	4.308	1.663	8.733
1003	1005 1005	8		24.00	.875	1.627	.604		
			1002 1005	10.75	.365	.558	4.251	1.661	8.733
1003	1005 1005	9		24.00	.875	3.445	.758		
			1002 1005	10.75	.365	.964	1.695	.975	8.733
1003	1005 1005	10		24.00	.875	3.142	.926		
			1002 1005	10.75	.365	.990	1.614	.956	8.733
1005	1006 1005	7		24.00	.875	4.043	1.066		
			1004 1005	10.75	.365	1.119	.890	.677	8.733
1005	1006 1005	8		24.00	.875	4.058	.633		
			1004 1005	10.75	.365	1.090	.809	.639	8.733
1005	1006 1005	9		24.00	.875	3.370	1.179		
			1004 1005	10.75	.365	.991	2.071	1.045	8.733

S K - CREST OFFSHORE, INC.   STRUCTURAL POSTPROCESSOR TEM

PUNCHING SHEAR CHECK FOR - .NAVY BIFI ML- STRUCTURE 27-771-01 PUNCHING SHEAR CHECK FOR STRAN

CHORD NUMBER	JOINT NUMBER	LOAD CASE	BRACE NUMBER	DIAMETER	THICKNESS	/- -S T R E S S - AXIAL	BENDING -/	CALCULATED PUNCHING SHEAR	ALLOWABLE PUNCHING SHEAR
1005 1006 1005		10		24.00	.875	3.640	.994		
			1004 1005	10.75	.365	.974	2.183	1.079	8.733

END OF JOINT CHECK

END OF RUN - SAPCHK

APPENDIX B.5

LIFT ANALYSIS

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*********************************************
*                                           *
*     MCDONNELL-ECI ICES EXECUTIVE SYSTEM   *
*                                           *
*      MAC REL. 2.3 - RELEASED  2/5/73      *
*        TIME=10.57.51,  8/24/76            *
*                                           *
*********************************************
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STRUDL 'ACMR' 'LIFTING ANALYSIS -- PLATFORM #1 -- U.S.NAVY'

                                                  CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
                                                  CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      ********************************************CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      *                                          *CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      *                                          *CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      *          MCDONNELL-ECI ICES STRUDL       *CCCCCCCCCC              EEEEEEEEEE
      *                                          *CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
      *               MAC REL 2.5                *CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
      *          10:59:49      8/24/76           *CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
      *          SIZE OF POOL 30640 BYTES        *CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
      *                                          *CCCCCCCCCC              EEEEEEEEEE
      *        IMPLEMENTED AT C-E JAN 1975       *CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      *                                          *CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      *                                          *CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
      ********************************************CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
                                                  CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE

TYPE SPACE FRAME
UNIT FT
JOINT COORDINATES
401     -27.94    14.75     0.
403     -30.03     0.      25.05
406     -27.94   -14.75     0.
501     -25.08    15.15     0.
502     -26.17     7.58    13.08
503     -27.26     0.      26.15
504     -25.08     0.       0.
505     -26.17    -7.58    13.08
506     -25.08   -15.15     0.
701       0.      18.75     0.
702      -1.35     9.38    16.19
```

703	-2,70	0,	32,37	S
704	0,	0,	0,	
705	-1,35	-9,38	16,19	
706	0,	-18,75	0,	
801	34,12	23,67	0,	
802	32,42	11,84	20,43	
803	30,72	0,	40,85	
804	34,12	0,	0,	
805	32,42	-11,84	20,43	
806	34,12	-23,67	0,	
901	68,23	28,57	0,	
902	66,18	14,29	24,66	
903	64,12	0,	49,32	S
904	68,23	0,	0,	
905	66,18	-14,29	24,66	
906	68,23	-28,57	0,	
1001	72,24	29,15	0,	
1003	68,05	0,	50,26	
1006	72,24	-29,15	0,	

MEMBER INCIDENCES

1	401	501
2	403	503
3	406	506
4	501	701
5	503	703

6	506	706
7	701	801
8	703	803
9	706	806
10	801	901
11	803	903
12	806	906
13	901	1001
14	903	1003
15	906	1006
16	506	701
17	503	706
18	501	703
19	701	806
20	706	803
21	703	801
22	801	904
23	806	904
24	803	905
25	806	905
26	803	902
27	801	902
28	501	504
29	504	506
30	506	505

31	505	503
32	503	502
33	502	501
34	701	704
35	704	706
36	706	705
37	705	703
38	703	702
39	702	701
40	801	804
41	804	806
42	806	805
43	805	803
44	803	802
45	802	801
46	901	904
47	904	906
48	906	905
49	905	903
50	903	902
51	902	901
52	502	504
53	504	505
54	505	502
55	702	704

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56        704        705
57        705        702
58        802        804
59        804        805
60        805        802
61        902        904
62        904        905
63        905        902
JOINT RELEASES
703 903   MOM X  MOM Y  MOM Z   FOR Y
UNIT IN KIPS
MEMBER PROPERTIES PRISMATICS
1 TO 3 =
    AX 254,27  IX 136171,28  IY 68085,64  IZ 68085,64  SY 2836,90  SZ 2836,90
4 TO 6 =
    AX 214,41  IX 111093,36  IY 55546,68  IZ 55546,68  SY 2363,69  SZ 2363,69
7 TO 12 =
    AX  71,47  IX  36995,38  IY 18497,69  IZ 18497,69  SY  804,25  SZ  804,25
13 TO 15 =
    AX 158,60  IX  79897,06  IY 39948,53  IZ 39948,53  SY 1736,89  SZ 1736,89
16 TO 18 =
    AX  66,71  IX   5962,80  IY  2981,40  IZ  2981,40  SY  298,14  SZ  298,14
19 TO 21 =
    AX  38,04  IX   3574,08  IY  1787,04  IZ  1787,04  SY  178,71  SZ  178,71
22 TO 33 =
    AX  24,35  IX   1463,86  IY   731,93  IZ   731,93  SY   91,49  SZ   91,49
34 TO 39 =
    AX  14,58  IX    558,64  IY   279,32  IZ   279,32  SY   43,81  SZ   43,81
40 TO 45 =
    AX  18,40  IX   1124,14  IY   562,07  IZ   562,07  SY   70,25  SZ   70,25
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46 TO 51 =
   AX  27,48  IX   2106,22  IY  1053,11  IZ  1053,11  SY  117,01  SZ  117,01
52 TO 63 =
   AX  11,91  IX    321,46  IY   160,73  IZ   160,73  SY   29,90  SZ   29,90
CONSTANT
 E 30000,  ALL
UNIT FT LBS
LOADING 1 'LIFTING WEIGHT --PLATFORM #1 --U,S,NAVY'
MEMBER LOADS
1 TO 3     FOR Z GLO UNI    W -864,43
4 TO 6     FOR Z GLO UNI FR W -864,43    LA 0,0     LB 0,17
4 TO 6     FOR Z GLO UNI FR W -728,92    LA 0,17    LB 1,0
7 TO 9     FOR Z GLO UNI FR W -728,92    LA 0,0     LB 0,11
7 TO 9     FOR Z GLO UNI FR W -242,97    LA 0,11    LB 0,858
7 TO 9     FOR Z GLO UNI FR W -539,18    LA 0,858   LB 1,0
10 TO 12   FOR Z GLO UNI FR W -539,18    LA 0,0     LB 0,123
10 TO 12   FOR Z GLO UNI FR W -242,97    LA 0,123   LB 0,941
10 TO 12   FOR Z GLO UNI FR W -539,18    LA 0,941   LB 1,00
13 TO 15   FOR Z GLO UNI    W -539,18
16 TO 18   FOR Z GLO UNI    W -226,78
19 TO 21   FOR Z GLO UNI    W -129,32
22 TO 33   FOR Z GLO UNI    W  -82,69
34 TO 39   FOR Z GLO UNI    W  -49,52
40 TO 45   FOR Z GLO UNI    W  -62,57
46 TO 51   FOR Z GLO UNI    W  -93,45
52 TO 63   FOR Z GLO UNI    W  -40,44
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LOADING LIST ALL

STIFFNESS ANALYSIS
STATICS CHECK FAILED FOR JOINT 1001      LOADING 1        COUNT 6
DOF                     1            2            3            4            5            6
UNBALANCE       -1.41382D 01 -1.01966D 02  6.67872D 01 -5.10430D 02  3.21490D 03  4.61231D 03
FORCE            0.0          0.0          0.0          0.0          0.0          0.0
TOLERANCE        6.63307D 00  9.90040D 00  1.53830D 01  1.87741D 02  3.46162D 02  1.69003D 02
STATICS CHECK FAILED FOR JOINT 1003      LOADING 1        COUNT 3
DOF                     1            2            3            4            5            6
UNBALANCE       -6.08601D-01  6.41235D 01  2.54429D 00  7.38622D 02  4.22858D 01 -3.25057D 03
FORCE            0.0          0.0          0.0          0.0          0.0          0.0
TOLERANCE        6.63307D 00  9.90040D 00  1.53830D 01  1.87741D 02  3.46162D 02  1.69003D 02
STATICS CHECK FAILED FOR JOINT 1006      LOADING 1        COUNT 5
DOF                     1            2            3            4            5            6
UNBALANCE       -3.20556D 00  3.76269D 01 -4.51497D 01 -5.43962D 02 -2.47048D 03 -1.95511D 03
FORCE            0.0          0.0          0.0          0.0          0.0          0.0
TOLERANCE        6.63307D 00  9.90040D 00  1.53830D 01  1.87741D 02  3.46162D 02  1.69003D 02

OUTPUT DECIMAL 2

UNIT IN KIPS

LIST FORCES REACTIONS ALL
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****
RESULTS OF LATEST ANALYSES
****

PROBLEM = ACHR   TITLE = LIFTING ANALYSIS -- PLATFORM #1 -- U.S.NAVY

ACTIVE UNITS INCH KIPS RAD FAHR SEC LBM

LOADING = 1   LIFTING WEIGHT --PLATFORM #1 --U.S.NAVY

MEMBER FORCES

MEMBER	JOINT	/-------------------- FORCE -------------------- AXIAL	SHEAR Y	SHEAR Z	--------------------//-------------------- MOMENT TORSIONAL	BENDING Y	BENDING Z --------------------/
1	401	-0.00	-0.00	-0.00	-0.00	0.00	-0.00
1	501	0.00	0.00	2.50	0.00	43.26	-0.00
2	403	-0.00	0.00	0.00	-0.00	-0.00	0.00
2	503	0.95	-0.00	2.39	0.00	42.82	0.00
3	406	0.00	-0.00	0.00	-0.00	-0.01	-0.00
3	506	-0.00	0.00	2.50	0.00	43.24	-0.00
4	501	23.81	2.33	13.46	-453.84	-160.53	126.39
4	701	-23.81	-2.33	5.60	453.84	-960.77	582.88
5	503	-12.77	-3.57	1.71	481.74	353.43	-150.74
5	703	17.45	3.57	16.76	-481.74	2006.30	-933.85
6	506	4.94	1.54	6.33	693.02	-214.94	43.83
6	706	-4.94	-1.54	12.72	-693.02	1259.00	425.83
7	701	17.07	-1.77	5.44	352.90	-12.48	-601.36
7	801	-17.07	1.77	6.23	-352.90	257.47	-131.35
8	703	2.70	3.79	12.10	-26.50	-1959.46	949.82
8	803	0.17	-3.79	-0.79	26.50	-628.84	616.96
9	706	-0.63	-0.49	9.38	390.63	-1248.28	-272.09
9	806	0.63	0.49	2.29	-390.63	-136.28	68.79
10	801	0.38	0.05	5.88	177.47	-266.84	-6.59
10	901	-0.38	-0.05	4.35	-177.47	59.79	28.86
11	803	0.14	-1.31	3.32	7.90	581.94	-527.84
11	903	2.37	1.31	6.60	-7.90	202.53	-13.40
12	806	0.45	-0.11	5.40	-16.52	-59.14	-9.49

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
12	906	-0.45	0.11	4.83	16.52	50.32	-36.54
13	901	0.03	0.10	2.12	0.04	-53.12	0.20
13	1001	-0.03	-0.10	0.07	-0.04	3.25	4.61
14	903	0.51	-0.06	2.12	0.04	-51.29	0.22
14	1003	-0.00	0.06	0.00	-0.04	0.04	-3.33
15	906	0.01	-0.04	2.23	0.18	-52.78	0.17
15	1006	-0.01	0.04	-0.05	-0.18	-2.52	-1.96
16	506	-10.68	0.26	0.62	-103.03	673.05	64.82
16	701	10.68	-0.26	8.94	103.03	1431.46	64.24
17	503	17.05	-1.83	3.85	-22.90	-409.31	-202.42
17	706	-22.98	-1.11	3.05	22.90	205.77	19.11
18	501	-38.99	0.75	1.89	10.87	84.17	-171.66
18	703	46.33	2.07	3.55	-10.87	334.29	-161.95
19	701	-3.87	-0.12	3.03	31.35	-145.56	-54.15
19	806	3.87	0.12	4.01	-31.35	467.37	-27.31
20	706	26.47	-1.22	2.07	-1.48	-243.15	-193.91
20	803	-21.19	-0.72	2.16	1.48	271.26	29.78
21	703	-37.69	1.56	2.90	-28.25	-370.75	257.32
21	801	33.50	0.46	2.39	28.25	205.62	104.11
22	801	0.55	-0.01	1.76	3.60	-113.95	-2.95
22	904	-0.55	0.01	1.67	-3.60	90.49	-3.54
23	806	-0.18	0.01	1.85	10.01	-148.52	2.39
23	904	0.18	-0.01	1.58	-10.01	82.26	2.83
24	803	6.31	-0.35	1.57	-4.88	-113.68	-46.43
24	905	-7.65	-0.14	1.55	4.88	107.08	-7.01
25	806	-5.29	-0.26	1.40	0.94	-106.03	-15.09
25	905	7.33	-0.21	1.32	-0.94	87.55	2.66
26	803	9.89	0.30	1.62	12.32	-126.78	21.47
26	902	-11.23	0.19	1.51	-12.32	100.13	3.97
27	801	-8.60	0.12	1.38	9.26	-96.38	-29.29
27	902	10.64	0.35	1.34	-9.26	88.32	-26.43
28	501	11.80	-0.39	-0.43	-34.17	124.61	-78.91
28	504	-11.80	0.39	1.68	34.17	66.64	8.20
29	504	13.21	-0.66	1.11	-28.45	-60.79	-21.84
29	506	-13.21	0.66	0.14	28.45	-27.79	-98.49
30	506	-11.13	-0.04	0.01	-16.82	-14.11	32.03
30	505	12.21	-0.59	-0.12	16.82	2.55	17.66
31	505	-16.46	0.35	0.22	-5.82	-5.06	8.60
31	503	17.54	-0.98	-0.32	5.82	-44.46	112.25
32	503	10.69	-0.56	-0.12	-23.28	8.57	-101.94
32	502	-11.77	1.19	0.22	23.28	22.56	-57.34
33	502	14.58	1.52	-0.23	-31.56	-13.06	75.87
33	501	-15.66	-0.90	0.34	31.56	64.60	144.55
34	701	18.73	0.02	-0.47	-8.17	124.37	-6.00

MEMBER FORCES

MEMBER	JOINT	FORCE AXIAL	FORCE SHEAR Y	FORCE SHEAR Z	MOMENT TORSIONAL	MOMENT BENDING Y	MOMENT BENDING Z
34	704	-18,73	-0,02	1,40	8,17	86,15	11,41
35	704	19,21	-0,22	0,76	-4,79	-61,52	-16,86
35	706	-19,21	0,22	0,17	4,79	-5,24	-31,55
36	706	-70,18	-0,14	-0,11	-4,05	9,26	-4,68
36	705	70,98	-0,32	0,04	4,05	7,34	25,41
37	705	-74,02	-0,28	0,04	0,61	-6,87	-14,24
37	703	74,83	-0,18	-0,12	-0,61	-10,95	2,54
38	703	-30,51	0,37	0,06	-3,42	-5,85	32,48
38	702	29,71	0,09	0,01	3,42	0,04	-0,89
39	702	-26,58	1,05	-0,07	-7,27	3,89	60,87
39	701	25,78	-0,59	0,15	7,27	21,00	122,86
40	801	11,09	0,16	0,16	-4,32	84,70	22,35
40	804	-11,09	-0,16	1,32	4,32	80,08	21,84
41	804	11,45	-0,15	1,07	3,11	-76,34	-21,05
41	806	-11,45	0,15	0,41	-3,11	-17,39	-21,95
42	806	-14,01	-0,22	-0,25	4,91	36,70	19,34
42	805	15,29	-0,52	0,13	-4,91	16,91	24,33
43	805	-18,78	-0,62	-0,11	-0,10	-6,80	-55,23
43	803	20,06	-0,12	-0,01	0,10	21,21	-14,78
44	803	2,88	0,60	0,16	2,40	-9,30	51,69
44	802	-4,15	0,14	-0,03	-2,40	-17,85	13,83
45	802	8,15	1,13	-0,08	4,29	10,12	93,98
45	801	-9,43	-0,40	0,20	-4,29	30,55	123,27
46	901	4,19	-0,01	0,78	-41,58	61,50	-0,57
46	904	-4,19	0,01	1,89	41,58	129,82	-4,24
47	904	5,00	0,01	1,65	35,37	-118,71	3,86
47	906	-5,00	-0,01	1,02	-35,37	10,00	1,09
48	906	-9,57	-0,41	0,23	17,05	-45,13	23,13
48	905	11,87	-0,92	-0,45	-17,05	-70,68	63,63
49	905	-30,28	-0,58	0,47	-15,70	-92,25	-24,49
49	903	32,59	-0,75	-0,69	15,70	-107,30	54,01
50	903	-35,14	0,79	0,57	12,77	-83,79	59,60
50	902	32,83	0,54	-0,35	-12,77	-74,49	-17,91
51	902	-10,68	1,32	0,45	-21,37	-77,60	111,57
51	901	8,38	0,01	-0,23	21,37	-38,84	112,27
52	502	-0,82	-0,22	0,07	5,65	-2,93	-10,65
52	504	0,29	-0,09	-0,02	-5,65	-4,85	-1,56
53	504	-3,06	0,11	-0,06	2,31	9,52	3,13
53	505	3,59	0,20	0,01	-2,31	-3,71	-10,95
54	505	3,96	-0,08	0,35	-1,26	-15,82	-5,64
54	502	-3,96	0,08	0,26	1,26	7,14	-9,13
55	702	-1,69	-0,36	0,05	3,06	-1,29	-29,16
55	704	1,04	-0,01	0,01	-3,06	-2,69	-10,38
56	704	-1,61	0,23	-0,04	0,92	5,37	13,71

FINISH

APPENDIX B.6

MATERIAL LISTING

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

1	30.000	1.750	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	9.083	SHT.1 LEG CAN
1	30.000	1.500	0.0	3	5.000	SHT.1 LEG CAN
1	30.000	1.000	0.0	1	8.053	SHT.1 LEG CAN
1	30.000	1.000	0.0	2	5.657	SHT.1 LEG CAN
1	30.000	1.500	0.0	1	4.395	SHT.1 LEG CAN
1	30.000	1.500	0.0	2	6.791	SHT.1 LEG CAN
1	30.000	1.000	0.0	3	18.969	SHT.1 LEG CAN
3	5.320	5.320	1.000	3	0.0	SHT.1 LEG CONE
1	42.000	1.000	0.0	3	5.000	SHT.1 LEG CAN
2	18.000	50.000	0.0	5	26.375	SHT.1 HORIZBRACE
2	21.000	73.000	0.0	1	26.667	SHT.1 HORIZBRACE
1	12.750	0.500	0.0	3	24.333	SHT.1 DIAGBRACE
1	12.750	1.000	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.750	0.0	3	2.667	SHT.1 DIAGBRACE
1	12.750	0.500	0.0	3	22.293	SHT.1 HORIZBRACE
1	12.750	0.750	0.0	6	2.437	SHT.1 HORIZBRACE
1	8.625	0.322	0.0	2	13.788	SHT.1 DIAGBRACE
2	8.000	24.000	0.0	3	4.583	SHT.2 BRACES
2	6.000	15.500	0.0	3	7.750	SHT.2 BRACES
2	8.000	24.000	0.0	3	14.500	SHT.2 BRACES
2	6.000	15.500	0.0	1	8.000	SHT.2 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.2 BRACES
2	12.000	27.000	0.0	1	5.000	SHT.2 BRACES
2	12.000	27.000	0.0	1	3.667	SHT.2 BRACES
3	0.333	136.000	0.375	1	0.0	SHT.2 FLRPLTSUPPT.
3	19.660	19.660	0.276	1	0.0	SHT.2 FLRPLT .250THK
2	6.000	15.500	0.0	1	2.917	SHT.3 BRACES
2	6.000	15.500	0.0	1	5.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	8.750	SHT.3 BRACES
2	6.000	15.500	0.0	1	11.583	SHT.3 BRACES
2	8.000	24.000	0.0	1	14.500	SHT.3 BRACES
2	6.000	15.500	0.0	2	2.750	SHT.3 BRACES
2	6.000	15.500	0.0	2	5.833	SHT.3 BRACES
2	6.000	15.500	0.0	2	8.917	SHT.3 BRACES
2	18.000	50.000	0.0	1	7.917	SHT.3 BRACES
2	6.000	15.500	0.0	2	11.917	SHT.3 BRACES
2	8.000	24.000	0.0	2	14.583	SHT.3 BRACES
2	6.000	15.500	0.0	1	4.333	SHT.3 BRACES
2	6.000	15.500	0.0	1	7.167	SHT.3 BRACES
2	6.000	15.500	0.0	1	10.000	SHT.3 BRACES
2	6.000	15.500	0.0	1	13.000	SHT.3 BRACES
2	12.000	27.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	3.270	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.000	SHT.3 BRACES
2	8.000	24.000	0.0	2	4.229	SHT.3 BRACES
2	12.000	27.000	0.0	2	10.167	SHT.3 BRACES
2	12.000	27.000	0.0	1	18.250	SHT.3 BRACES
2	6.000	15.500	0.0	2	4.917	SHT.3 BRACES
2	6.000	15.500	0.0	7	10.750	SHT.3 BRACES
2	6.000	15.500	0.0	4	3.000	SHT.3 BRACES
3	1.000	1.000	0.250	4	0.0	SHT.3 BRACES
3	0.302	1.406	0.500	14	0.0	SHT.3 BRACES
3	25.270	25.270	0.276	1	0.0	SHT.3 FLRPLT .250THK
3	0.667	10.080	0.500	3	0.0	SHT.4 LEG POINT
3	3.640	3.640	0.500	3	0.0	SHT.4 LEG POINT
3	1.000	1.000	0.500	3	0.0	SHT.4 LEG POINT
3	0.667	3.208	0.750	6	0.0	SHT.4 LEG POINT
3	1.790	1.790	0.750	6	0.0	SHT.4 LEG POINT

3	1.790	1.790	0.750	6	0.0	SHT.4 LEG POINT
3	0.500	10.340	0.125	3	0.0	SHT.4 LEG POINT
3	2.210	3.583	1.250	3	0.0	SHT.4 LIFTLUG
3	1.740	1.740	1.250	6	0.	SHT.4 LIFTLUG
3	2.360	2.360	1.000	3	0.0	SHT.4 LIFTLUG
3	0.738	0.738	1.000	6	0.0	SHT.4 LIFTLUG
3	0.667	1.104	1.000	6	0.0	SHT.4 LIFTLUG
3	0.875	1.208	0.750	2	0.0	SHT.4
1	2.375	0.154	0.0	51	0.489	SHT.5 HANDRAIL DET.
3	0.323	0.489	0.250	34	0.0	SHT.5 HANDRAIL DET.
3	0.281	0.489	0.250	15	0.0	SHT.5 HANDRAIL DET.
1	2.375	0.154	0.0	62	0.083	SHT.5 HANDRAIL DET.
3	0.333	183.000	0.250	1	0.0	SHT.5 HANDRAIL DET.
1	1.900	0.145	0.0	1	590.000	SHT.5 HANDRAIL DET.
1	4.500	0.337	0.0	1	50.500	ANTENNA MOUNT
3	0.375	0.375	0.250	2	0.0	ANTENNA MOUNT
3	0.917	1.000	0.375	15	0.0	ANTENNA MOUNT
5	3.000	3.000	0.375	1	40.000	ANTENNA MOUNT
5	3.000	3.000	0.250	4	1.333	BATTERY BOX TIE DOWN
5	4.000	3.000	0.375	2	8.000	SOLAR PANEL SUPPORT
5	4.000	3.000	0.375	2	3.667	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	11.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	3	10.417	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	9.600	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	4.375	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	5.229	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	7	0.583	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	1.333	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	2	1.833	SOLAR PANEL SUPPORT
5	5.000	3.000	0.375	1	2.333	SOLAR PANEL SUPPORT
1	8.625	0.500	0.0	2	27.000	STAIRWAY NO.1
1	6.625	0.500	0.0	1	12.000	STAIRWAY NO.1
1	6.625	0.500	0.0	3	5.667	STAIRWAY NO.1
4	5.790	5.790	0.0	1	7.360	STAIRWAY NO.1
1	4.500	0.337	0.0	3	5.667	STAIRWAY NO.1
4	0.910	2.500	0.0	25	7.360	STAIRWAY NO.1
3	0.333	12.000	0.250	1	0.0	STAIRWAY NO.1
1	8.625	0.500	0.0	2	0.750	STAIRWAY NO.1
3	0.167	2.450	0.250	1	0.0	STAIRWAY NO.1
3	0.167	0.708	0.500	50	0.0	STAIRWAY NO.1
4	0.625	3.218	0.0	1	7.360	STAIRWAY NO.1
3	0.833	1.250	0.500	2	0.0	STAIRWAY NO.1
5	2.500	2.500	0.250	4	3.218	STAIRWAY NO.1
3	0.333	25.208	0.250	2	0.0	STAIRWAY NO.1
1	1.900	0.145	0.0	1	131.000	STAIRWAY NO.1
1	1.900	0.281	0.0	1	65.000	STAIRWAY NO.1
6	12.000	25.000	0.0	2	37.000	STAIRWAY NO.2
3	0.333	35.239	0.250	2	0.0	STAIRWAY NO.2
3	0.333	16.360	0.250	1	0.0	STAIRWAY NO.2
3	0.333	23.000	0.250	1	0.0	STAIRWAY NO.2
4	0.906	2.500	0.0	35	7.360	STAIRWAY NO.2
5	2.500	2.500	0.250	14	2.500	STAIRWAY NO.2
6	12.000	25.000	0.0	1	16.360	STAIRWAY NO.2
1	1.900	0.145	0.0	1	53.000	STAIRWAY NO.2
2	12.000	27.000	0.0	3	3.750	STAIRWAY NO.2
4	4.010	4.010	0.0	1	7.360	STAIRWAY NO.2
1	4.500	0.337	0.0	3	5.000	STAIRWAY NO.2
1	1.900	0.145	0.0	1	176.000	STAIRWAY NO.2
6	12.000	25.000	0.0	2	16.667	STAIRWAY NO.3
3	0.333	16.333	0.250	2	0.0	STAIRWAY NO.3
6	12.000	25.000	0.0	2	5.000	STAIRWAY NO.3
6	12.000	25.000	0.0	1	3.000	STAIRWAY NO.3
3	0.333	5.000	0.250	2	0.0	STAIRWAY NO.3
4	0.906	2.500	0.0	15	7.360	STAIRWAY NO.3
5	2.500	2.500	0.250	8	2.500	STAIRWAY NO.3
1	1.900	0.145	0.0	1	128.000	STAIRWAY NO.3
6	10.000	15.300	0.0	2	25.500	STAIRWAY NO.4

[illegible]	[illegible]	[illegible]	0.0	2	65.500	STAIRWAY NO.4
3	0.333	25.000	0.250	2	0.0	STAIRWAY NO.4
4	0.906	2.500	0.0	24	[illegible]	STAIRWAY NO.4
1	1.900	0.145	0.0	1	13.[illegible]0	STAIRWAY NO.4
5	2.500	2.500	0.250	1	2.500	STAIRWAY NO.4
3	0.250	2.500	0.375	1	0.0	STAIRWAY NO.4
5	2.500	2.500	0.250	10	2.500	STAIRWAY NO.4
1	2.375	0.154	0.0	3	7.720	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	6.750	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	4	3.000	ANTI-CLIMB DEVICE
1	2.375	0.154	0.0	1	1.083	ANTI-CLIMB DEVICE
3	0.208	48.500	0.375	2	0.0	SAFETY LADDER
3	0.208	0.750	0.375	16	0.0	SAFETY LADDER
1	2.375	0.154	0.0	1	14.000	CONDUIT PIPE
6	12.000	20.700	0.0	3	1.250	NAV-AID SUPPORT BRKT

MATERIAL LISTING PROGRAM

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*                CREST OFFSHORE, INC.               *   CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEE
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*                  TULSA, OKLAHOMA                  *   CCCCCCCCCC               EEEEEEEEE
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U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 1.000 WT	3	5.00	15.00	6574.4
30.000 O.D. X 1.750 WT	3	5.00	15.00	7927.4
30.000 O.D. X 1.500 WT	2	6.79	13.58	6207.0
30.000 O.D. X 1.500 WT	3	5.00	15.00	6855.0
30.000 O.D. X 1.500 WT	1	4.39	4.39	2008.5
30.000 O.D. X 1.000 WT	3	18.97	56.91	17641.9
30.000 O.D. X 1.000 WT	3	9.08	27.25	8447.6
30.000 O.D. X 1.000 WT	1	8.05	8.05	2496.5
30.000 O.D. X 1.000 WT	2	5.66	11.31	3507.5
12.750 O.D. X 1.000 WT	3	2.67	8.00	1005.0
12.750 O.D. X 0.750 WT	3	2.67	8.00	769.8
12.750 O.D. X 0.750 WT	6	2.44	14.62	1406.8
12.750 O.D. X 0.500 WT	3	24.33	73.00	4779.8
12.750 O.D. X 0.500 WT	3	22.29	66.88	4379.0
8.625 O.D. X 0.500 WT	2	27.00	54.00	2345.1
8.625 O.D. X 0.500 WT	2	0.75	1.50	65.1
8.625 O.D. X 0.322 WT	2	13.79	27.58	788.1
6.625 O.D. X 0.500 WT	1	12.00	12.00	392.9
6.625 O.D. X 0.500 WT	3	5.67	17.00	556.6
4.500 O.D. X 0.337 WT	1	50.50	50.50	757.4
4.500 O.D. X 0.337 WT	3	5.67	17.00	255.0
4.500 O.D. X 0.337 WT	3	5.00	15.00	225.0
2.375 O.D. X 0.154 WT	1	14.00	14.00	51.2
2.375 O.D. X 0.154 WT	3	7.72	23.16	84.7
2.375 O.D. X 0.154 WT	1	6.75	6.75	24.7
2.375 O.D. X 0.154 WT	4	3.00	12.00	43.9
2.375 O.D. X 0.154 WT	1	1.08	1.08	4.0
2.375 O.D. X 0.154 WT	51	0.49	24.94	91.2
2.375 O.D. X 0.154 WT	62	0.08	5.15	18.8
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	590.00	590.00	1605.0
1.900 O.D. X 0.145 WT	1	176.00	176.00	478.8
1.900 O.D. X 0.145 WT	1	135.00	135.00	367.2
1.900 O.D. X 0.145 WT	1	131.00	131.00	356.4
1.900 O.D. X 0.145 WT	1	128.00	128.00	348.2

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
1.900 O.D. X 0.145 WT	1	53.00	53.00	144.2

TOTAL WEIGHT OF PIPE MEMBERS = 83325.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W SHAPE

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
W 21 X 73.00	1	26.67	26.67	1946.7
W 18 X 50.00	5	26.38	131.88	6593.8
W 18 X 50.00	1	7.92	7.92	395.8
W 12 X 27.00	1	18.25	18.25	492.8
W 12 X 27.00	2	10.17	20.33	549.0
W 12 X 27.00	1	5.00	5.00	135.0
W 12 X 27.00	3	3.75	11.25	303.8
W 12 X 27.00	1	3.67	3.67	99.0
W 12 X 27.00	2	3.27	6.54	176.6
W 8 X 24.00	2	14.58	29.17	700.0
W 8 X 24.00	4	14.50	58.00	1392.0
W 8 X 24.00	3	4.58	13.75	330.0
W 8 X 24.00	4	4.23	16.92	406.0
W 8 X 24.00	2	4.00	8.00	192.0
W 8 X 24.00	2	3.27	6.54	157.0
W 6 X 15.50	1	13.00	13.00	201.5
W 6 X 15.50	2	11.92	23.83	369.4
W 6 X 15.50	1	11.58	11.58	179.5
W 6 X 15.50	7	10.75	75.25	1166.4
W 6 X 15.50	1	10.00	10.00	155.0
W 6 X 15.50	2	8.92	17.83	276.4
W 6 X 15.50	1	8.75	8.75	135.6
W 6 X 15.50	1	8.00	8.00	124.0
W 6 X 15.50	3	7.75	23.25	360.4
W 6 X 15.50	1	7.17	7.17	111.1
W 6 X 15.50	2	5.83	11.67	180.8
W 6 X 15.50	1	5.75	5.75	89.1
W 6 X 15.50	2	4.92	9.83	152.4
W 6 X 15.50	1	4.33	4.33	67.2
W 6 X 15.50	4	3.00	12.00	186.0
W 6 X 15.50	1	2.92	2.92	45.2
W 6 X 15.50	2	2.75	5.50	85.3

TOTAL WEIGHT OF W-SHAPE MEMBERS= 17754.6

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)	
2.21 X 3.58 X 1.250	3	23.76	1212.5	
1.74 X 1.74 X 1.250	6	18.17	927.2	
5.32 X 5.32 X 1.000	3	84.91	3467.0	
2.36 X 2.36 X 1.000	3	16.71	682.3	
0.67 X 1.10 X 1.000	6	4.42	180.4	
0.74 X 0.74 X 1.000	6	3.27	133.4	
1.79 X 1.79 X 0.750	6	19.22	588.8	
0.67 X 3.21 X 0.750	6	12.84	393.2	
0.88 X 1.21 X 0.750	2	2.11	64.7	
3.64 X 3.64 X 0.500	3	39.75	811.5	
0.67 X 10.08 X 0.500	3	20.17	411.8	
0.83 X 1.25 X 0.500	2	2.08	42.5	
1.00 X 1.00 X 0.500	3	3.00	61.2	
0.30 X 1.41 X 0.500	14	5.94	121.4	
0.17 X 0.71 X 0.500	50	5.91	120.7	
0.33 X 136.00 X 0.375	1	45.29	693.5	
0.21 X 48.50 X 0.375	2	20.18	308.9	
0.92 X 1.00 X 0.375	15	13.75	210.6	
0.25 X 2.50 X 0.375	1	0.63	9.6	
0.21 X 0.75 X 0.375	16	2.50	38.2	
25.27 X 25.27 X 0.276	1	638.57	7196.7	1/4" Checkered Floor Plate
19.66 X 19.66 X 0.276	1	386.52	4356.0	
0.33 X 183.00 X 0.250	1	60.94	622.1	
0.33 X 35.24 X 0.250	2	23.47	239.6	
0.33 X 25.21 X 0.250	2	16.79	171.4	
0.33 X 25.00 X 0.250	2	16.65	170.0	
0.33 X 23.00 X 0.250	1	7.66	78.2	
0.33 X 16.36 X 0.250	1	5.45	55.6	
0.33 X 16.33 X 0.250	2	10.88	111.0	
0.33 X 12.00 X 0.250	1	4.00	40.8	
0.33 X 5.00 X 0.250	2	3.33	34.0	
1.00 X 1.00 X 0.250	4	4.00	40.8	
0.17 X 2.45 X 0.250	1	0.41	4.2	
0.32 X 0.49 X 0.250	34	5.37	54.8	
0.38 X 0.38 X 0.250	2	0.28	2.9	

U.S. NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
0.28 X 0.49 X 0.250	15	2.06	21.0
0.50 X 10.34 X 0.125	3	15.51	79.2

TOTAL WEIGHT OF PLATES = 23757.8

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
5.79 X 5.79	1	7.36	33.52	246.7
4.01 X 4.01	1	7.36	16.08	118.3
0.91 X 2.50	25	7.36	56.87	418.6
0.91 X 2.50	74	7.36	167.61	1233.6
0.63 X 3.22	1	7.36	2.01	14.8

TOTAL WEIGHT OF GRATING = 2032.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
5.000 X 3.000 X 0.375	1	11.33	11.33	110.3
5.000 X 3.000 X 0.375	3	10.42	31.25	304.1
5.000 X 3.000 X 0.375	1	9.60	9.60	93.4
5.000 X 3.000 X 0.375	1	5.23	5.23	50.9
5.000 X 3.000 X 0.375	1	4.38	4.38	42.6
5.000 X 3.000 X 0.375	1	2.33	2.33	22.7
5.000 X 3.000 X 0.375	2	1.83	3.67	35.7
5.000 X 3.000 X 0.375	1	1.33	1.33	13.0
5.000 X 3.000 X 0.375	7	0.58	4.08	39.7
4.000 X 3.000 X 0.375	2	8.00	16.00	135.3
4.000 X 3.000 X 0.375	2	3.67	7.33	62.0
3.000 X 3.000 X 0.375	1	40.00	40.00	287.1
3.000 X 3.000 X 0.250	4	1.33	5.33	26.1
2.500 X 2.500 X 0.250	4	3.22	12.87	52.0
2.500 X 2.500 X 0.250	33	2.50	82.50	333.4

TOTAL WEIGHT OF ANGLES = 1608.1

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 25.00	2	37.00	74.00	1850.0
C 12 X 25.00	2	16.67	33.33	833.3
C 12 X 25.00	1	16.36	16.36	409.0
C 12 X 25.00	2	5.00	10.00	250.0
C 12 X 25.00	1	3.00	3.00	75.0
C 12 X 20.70	3	1.25	3.75	77.6
C 10 X 15.30	2	25.50	51.00	780.3

TOTAL WEIGHT OF CHANNELS = 4275.3

TOTAL WEIGHT = 132752.7

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
42.000 O.D. X 1.000 WT	15.00	6574.43
30.000 O.D. X 1.750 WT	15.00	7927.39
30.000 O.D. X 1.500 WT	32.98	15070.58
30.000 O.D. X 1.000 WT	103.52	32093.53
12.750 O.D. X 1.000 WT	8.00	1005.00
12.750 O.D. X 0.750 WT	22.62	2176.58
12.750 O.D. X 0.500 WT	139.88	9158.79
8.625 O.D. X 0.500 WT	55.50	2410.29
8.625 O.D. X 0.322 WT	27.58	788.14
6.625 O.D. X 0.500 WT	29.00	949.45
4.500 O.D. X 0.337 WT	82.50	1237.31
2.375 O.D. X 0.154 WT	87.08	318.39
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	1213.00	3299.81
W SHAPE		
W 21 X 73.00	26.67	1946.69
W 18 X 50.00	139.79	6989.60
W 12 X 27.00	65.04	1756.11

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS SUPERSTRUCTURE 27-771-01 BILL OF MATERIALS & WEIGHT

W 8 X 24.00	132.37	3176.90
W 6 X 15.50	250.67	3885.35

CHANNELS

C 12 X 25.00	136.69	3417.35
C 12 X 20.70	3.75	77.62
C 10 X 15.30	51.00	780.30

ANGLE

5.000 X 3.000 X 0.375	73.20	712.23
4.000 X 3.000 X 0.375	23.33	197.26
3.000 X 3.000 X 0.375	40.00	287.11
3.000 X 3.000 X 0.250	5.33	26.08
2.500 X 2.500 X 0.250	95.37	385.38

PLATE

1.250 THICKNESS	41.92	2139.71	
1.000 THICKNESS	109.30	4463.16	
0.750 THICKNESS	34.18	1046.67	
0.500 THICKNESS	76.86	1569.18	
0.375 THICKNESS	82.34	1260.83	
0.250 THICKNESS	1186.36 (1025FT²)*	13199.09 — (11552.7#)*	* 1/4" Checkered Floor Plate
0.125 THICKNESS	15.51	79.17	

GRATING

7.360 LBS PER SQ FT	276.10	2032.10

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TOTAL WEIGHT 132752.69 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

1	48.000	1.750	0.0	3	7.000	SHT.1 JKTCAN
1	47.500	1.500	0.0	3	24.620	SHT.1 JKTCAN
1	45.500	0.500	0.0	3	25.600	SHT.1 JKTLEG
1	47.000	1.250	0.0	3	9.000	SHT.1 JKTCAN
1	45.500	0.500	0.0	3	28.010	SHT.1 JKTLEG
1	47.000	1.250	0.0	3	6.000	SHT.1 JKTCAN
1	16.000	1.000	0.0	6	2.333	SHT.1 JKTHORIZBRC
1	16.000	0.625	0.0	3	26.610	SHT.1 JKTHORIZBRC
1	20.000	1.250	0.0	3	38.090	SHT.1 JKTDIAGBRC
1	12.750	0.375	0.0	3	35.630	SHT.1 JKTHORIZBRC
1	20.000	0.875	0.0	3	3.000	SHT.1 JKTDIAGBRC
1	20.000	0.750	0.0	3	3.750	SHT.1 JKTDIAGBRC
1	20.000	0.625	0.0	3	51.180	SHT.1 JKTDIAGBRC
1	16.000	0.500	0.0	3	43.690	SHT.1 JKTHORIZBRC
1	16.000	0.750	0.0	6	3.500	SHT.1 JKTDIAGBRC
1	16.000	0.625	0.0	6	3.000	SHT.1 JKTDIAGBRC
1	16.000	0.500	0.0	6	38.510	SHT.1 JKTDIAGBRC
1	18.000	0.500	0.0	6	23.160	SHT.1 JKTHORIZBRC
1	24.000	0.875	0.0	3	5.500	SHT.1 JKTHORIZBRC
3	1.250	6.280	0.750	6	0.0	SHT.1 JKTHORIZBRC
1	2.875	0.375	0.0	12	0.500	SHT.3 (+)12-0
3	0.250	4.500	0.250	1	0.0	SHT.3 (+)12-0
1	10.750	0.365	0.0	3	14.833	SHT.3 (+)12-0
1	6.625	0.280	0.0	1	54.750	SHT.3 (+)12-0
1	8.625	0.500	0.0	1	18.420	SHT.3 (+)12-0
4	5.000	9.167	0.0	1	7.360	SHT.3 (+)12-0
4	4.000	17.000	0.0	1	7.360	SHT.3 (+)12-0
4	9.080	9.080	0.0	1	7.360	SHT.3 (+)12-0
1	10.750	0.365	0.0	3	17.833	SHT.4 (-)13-0
1	10.750	0.365	0.0	3	22.333	SHT.4 (-)47-0
1	10.750	0.365	0.0	3	26.750	SHT.5 (-)81-0
3	1.552	2.583	1.375	6	0.0	SHIM PLATES
3	1.552	2.583	1.250	24	0.0	SHIM PLATES
3	1.552	2.583	1.125	6	0.0	SHIM PLATES
3	1.500	2.460	0.625	12	0.0	PILE GUIDES
3	2.000	2.460	0.625	36	0.0	PILE GUIDES
3	3.544	3.544	0.625	3	0.0	FLOODING SYSTEM
3	0.500	1.500	0.500	6	0.0	FLOODING SYSTEM
5	4.000	6.000	0.375	6	4.000	FLOODING SYSTEM
1	10.750	0.365	0.0	3	0.500	FLOODING SYSTEM
3	0.437	0.437	0.250	3	0.0	FLOODING SYSTEM
1	2.375	0.154	0.0	3	91.500	FLOODING SYSTEM
1	3.500	0.216	0.0	10	1.000	FLOODING SYSTEM
1	3.500	0.216	0.0	10	1.250	FLOODING SYSTEM
3	1.250	1.250	0.375	2	0.0	FLOODING SYSTEM
3	1.000	1.000	0.375	1	0.0	FLOODING SYSTEM
3	1.667	5.500	2.000	2	0.0	LIFTING EYES DET.1
3	1.330	1.330	1.500	4	0.0	LIFTING EYES DET.1
3	1.437	2.250	1.000	8	0.0	LIFTING EYES DET.1
3	1.667	5.500	2.000	3	0.0	LIFTING EYES SEC.A
3	1.330	1.330	1.500	6	0.0	LIFTING EYES SEC.A
3	1.437	2.250	1.000	6	0.0	LIFTING EYES SEC.A
3	1.000	1.000	0.500	48	0.0	ANODE GUSSETS

MATERIAL LISTING PROGRAM

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*                                                *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*              CREST OFFSHORE, INC.              *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                *    CCCCCCCCCC               EEEEEEEEE
*                TULSA, OKLAHOMA                 *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
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*                                                *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                *    CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*             CREATED IN APRIL 1974              *    CCCCCCCCCC               EEEEEEEEE
*              MODIFIED FEB 1975                 *    CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
48.000 O.D. X 1.750 WT	3	7.00	21.00	18169.9
47.500 O.D. X 1.500 WT	3	24.62	73.86	54480.5
47.000 O.D. X 1.250 WT	3	9.00	27.00	16506.2
47.000 O.D. X 1.250 WT	3	6.00	18.00	11004.1
45.500 O.D. X 0.500 WT	3	28.01	84.03	20211.5
45.500 O.D. X 0.500 WT	3	25.60	76.80	18472.5
24.000 O.D. X 0.875 WT	3	5.50	16.50	3569.1
20.000 O.D. X 1.250 WT	3	38.09	114.27	28630.3
20.000 O.D. X 0.875 WT	3	3.00	9.00	1610.0
20.000 O.D. X 0.750 WT	3	3.75	11.25	1736.3
20.000 O.D. X 0.625 WT	3	51.18	153.54	19875.9
18.000 O.D. X 0.500 WT	6	23.16	138.96	12998.1
16.000 O.D. X 1.000 WT	6	2.33	14.00	2244.6
16.000 O.D. X 0.750 WT	6	3.50	21.00	2567.6
16.000 O.D. X 0.625 WT	3	26.61	79.83	8200.6
16.000 O.D. X 0.625 WT	6	3.00	18.00	1849.1
16.000 O.D. X 0.500 WT	3	43.69	131.07	10858.9
16.000 O.D. X 0.500 WT	6	38.51	231.06	19142.9
12.750 O.D. X 0.375 WT	3	35.63	106.89	5302.7
10.750 O.D. X 0.365 WT	3	26.75	80.25	3251.8
10.750 O.D. X 0.365 WT	3	22.33	67.00	2714.9
10.750 O.D. X 0.365 WT	3	17.83	53.50	2167.8
10.750 O.D. X 0.365 WT	3	14.83	44.50	1803.2
10.750 O.D. X 0.365 WT	3	0.50	1.50	60.8
8.625 O.D. X 0.500 WT	1	18.42	18.42	800.0
6.625 O.D. X 0.280 WT	1	54.75	54.75	1039.8
3.500 O.D. X 0.216 WT	10	1.25	12.50	94.8
3.500 O.D. X 0.216 WT	10	1.00	10.00	75.8
2.875 O.D. X 0.375 WT	12	0.50	6.00	60.1
2.375 O.D. X 0.154 WT	3	91.50	274.50	1003.7

TOTAL WEIGHT OF PIPE MEMBERS = 270502.9

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
1.67 X 5.50 X 2.000	5	45.84	3743.8
1.33 X 1.33 X 1.500	10	17.69	1083.4
1.55 X 2.58 X 1.375	6	24.05	1350.5
1.55 X 2.58 X 1.250	24	96.21	4910.8
1.55 X 2.58 X 1.125	6	24.05	1104.9
1.44 X 2.25 X 1.000	14	45.27	1848.3
1.25 X 6.28 X 0.750	6	47.10	1442.4
3.54 X 3.54 X 0.625	3	37.68	961.6
2.00 X 2.46 X 0.625	36	177.12	4520.2
1.50 X 2.46 X 0.625	12	44.28	1130.1
1.00 X 1.00 X 0.500	48	48.00	980.0
0.50 X 1.50 X 0.500	6	4.50	91.9
1.25 X 1.25 X 0.375	2	3.13	47.9
1.00 X 1.00 X 0.375	1	1.00	15.3
0.25 X 4.50 X 0.250	1	1.13	11.5
0.44 X 0.44 X 0.250	3	0.57	5.8

TOTAL WEIGHT OF PLATES = 23248.5

AD-A165 698 DESIGN CALCULATIONS 81' MLW STRUCTURE EAST COAST AIR COMBAT MANEUVERING R..(U) CREST ENGINEERING INC TULSA OK SEP 76 27-771-94 N62477-76-C-0179 8/8

UNCLASSIFIED F/G 13/13 NL

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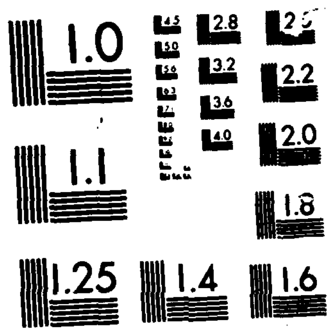

MICROCOPY RESOLUTION TEST CHART

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-721-01 BILL OF MATERIALS & WEIGHT

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
9.08 X 9.08	1	7.36	82.45	606.8
4.00 X 17.00	1	7.36	68.00	500.5
5.00 X 9.17	1	7.36	45.83	337.3

TOTAL WEIGHT OF GRATING = 1444.6

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
4.000 X 6.000 X 0.375	6	4.00	24.00	294.8

TOTAL WEIGHT OF ANGLES = 294.8

TOTAL WEIGHT = 295490.8

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
48.000 O.D. X 1.750 WT	21.00	18169.88
47.500 O.D. X 1.500 WT	73.86	54480.52
47.000 O.D. X 1.250 WT	45.00	27510.37
45.500 O.D. X 0.500 WT	160.83	38684.06
24.000 O.D. X 0.875 WT	16.50	3569.08
20.000 O.D. X 1.250 WT	114.27	28630.32
20.000 O.D. X 0.875 WT	9.00	1610.03
20.000 O.D. X 0.750 WT	11.25	1736.31
20.000 O.D. X 0.625 WT	153.54	19875.86
18.000 O.D. X 0.500 WT	138.96	12998.11
16.000 O.D. X 1.000 WT	14.00	2244.60
16.000 O.D. X 0.750 WT	21.00	2567.63
16.000 O.D. X 0.625 WT	97.83	10049.62
16.000 O.D. X 0.500 WT	362.13	30001.89
12.750 O.D. X 0.375 WT	106.89	5302.69
10.750 O.D. X 0.365 WT	246.75	9998.49
8.625 O.D. X 0.500 WT	18.42	799.96
6.625 O.D. X 0.280 WT	54.75	1039.82
3.500 O.D. X 0.216 WT	22.50	170.62
2.875 O.D. X 0.375 WT	6.00	60.13
2.375 O.D. X 0.154 WT	274.50	1003.68

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORM 81 FT MLW JACKET 27-771-01 BILL OF MATERIALS & WEIGHT

ANGLE		
4.000 X 6.000 X 0.375	24.00	294.77
PLATE		
2.000 THICKNESS	45.84	3743.80
1.500 THICKNESS	17.69	1083.45
1.375 THICKNESS	24.05	1350.47
1.250 THICKNESS	96.21	4910.79
1.125 THICKNESS	24.05	1104.93
1.000 THICKNESS	45.27	1848.34
0.750 THICKNESS	47.10	1442.44
0.625 THICKNESS	259.08	6611.92
0.500 THICKNESS	52.50	1071.87
0.375 THICKNESS	4.13	63.16
0.250 THICKNESS	1.70	17.33
GRATING		
7.360 LBS PER SQ FT	196.28	1444.63

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TOTAL WEIGHT 295490.75 LBS

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
12.750 O.D. X 0.843 WT	2	15.00	30.00	3219.1
12.750 O.D. X 0.843 WT	2	4.00	8.00	858.4
12.750 O.D. X 0.843 WT	2	2.00	4.00	429.2
12.750 O.D. X 0.843 WT	2	1.92	3.83	411.4
12.750 O.D. X 0.843 WT	2	1.00	2.00	214.6
10.750 O.D. X 0.500 WT	2	1.33	2.67	146.1
8.625 O.D. X 0.500 WT	4	21.75	87.00	3778.3
8.625 O.D. X 0.500 WT	1	10.92	10.92	474.1
8.625 O.D. X 0.500 WT	6	4.33	26.00	1129.1
8.625 O.D. X 0.500 WT	4	3.50	14.00	608.0
6.625 O.D. X 0.432 WT	4	13.36	53.44	1528.4
6.625 O.D. X 0.432 WT	2	12.83	25.67	734.1
6.625 O.D. X 0.432 WT	4	10.44	41.76	1194.3
6.625 O.D. X 0.432 WT	1	9.75	9.75	278.9
6.625 O.D. X 0.432 WT	3	8.58	25.75	736.5
6.625 O.D. X 0.432 WT	4	5.67	22.67	648.3
6.625 O.D. X 0.432 WT	6	5.17	31.00	886.7
6.625 O.D. X 0.432 WT	14	3.83	53.66	1534.7
6.625 O.D. X 0.432 WT	1	3.50	3.50	100.1
6.625 O.D. X 0.432 WT	2	2.67	5.33	152.6
4.500 O.D. X 0.337 WT	5	10.25	51.25	768.6
4.500 O.D. X 0.337 WT	3	4.08	12.25	183.7
4.500 O.D. X 0.337 WT	2	4.00	8.00	120.0
2.375 O.D. X 0.218 WT	10	0.33	3.33	16.7
1.900 O.D. X 0.281 WT	1	65.00	65.00	316.1
1.900 O.D. X 0.145 WT	1	75.00	75.00	204.0

TOTAL WEIGHT OF PIPE MEMBERS = 20671.9

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.79 X 4.50 X 0.750	2	43.11	1320.2
3.17 X 2.50 X 0.750	2	15.83	484.9
1.50 X 2.00 X 0.750	2	6.00	183.7
1.17 X 1.17 X 0.500	2	2.72	55.6
0.58 X 0.75 X 0.500	16	7.00	142.8

TOTAL WEIGHT OF PLATES = 2187.4

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

GRATING

NOMINAL DIMENSION (FT X FT)	QUANTITY	UNIT WEIGHT (LBS/SQ.FT)	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.00 X 10.25	2	7.36	82.00	603.5
3.00 X 4.00	2	7.36	24.00	176.6
0.71 X 2.79	1	7.36	1.98	14.5
0.58 X 2.50	3	7.36	4.37	32.2
0.51 X 2.50	3	7.36	3.82	28.2

TOTAL WEIGHT OF GRATING = 855.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

ANGLE

NOMINAL DIMENSION (IN X IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
2.000 X 2.000 X 0.250	1	3.00	3.00	9.6
1.000 X 1.000 X 0.125	1	3.00	3.00	2.4

TOTAL WEIGHT OF ANGLES = 12.0

U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 HILL OF MATERIALS

CHANNELS

NOMINAL DIMENSION	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
C 12 X 20.70	2	1.25	2.50	51.7
C 6 X 8.20	2	4.25	8.50	69.7
C 6 X 8.20	2	3.75	7.50	61.5

TOTAL WEIGHT OF CHANNELS = 182.9

TOTAL WEIGHT = 23909.2

BILL OF MATERIALS SUMMARY
U.S.NAVY ACHR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
12.750 O.D. X 0.843 WT	47.8	5132.74
10.750 O.D. X 0.500 WT	2.67	146.06
8.625 O.D. X 0.500 WT	137.91	5989.45
6.625 O.D. X 0.432 WT	272.53	7794.44
4.500 O.D. X 0.337 WT	71.50	1072.31
2.375 O.D. X 0.218 WT	3.33	16.74
1.900 O.D. X 0.281 WT	65.00	316.12
1.900 O.D. X 0.145 WT	75.00	204.03
CHANNELS		
C 12 X 20.70	2.50	51.75
C 6 X 8.20	16.00	131.20
ANGLE		
2.000 X 2.000 X 0.250	3.00	9.57
1.000 X 1.000 X 0.125	3.00	2.39

BILL OF MATERIALS SUMMARY
U.S.NAVY ACMR PLATFORMS JACKET BOAT LANDING 27-771-01 BILL OF MATERIALS

PLATE

0.750 THICKNESS	64.94	1988.94
0.500 THICKNESS	9.72	198.45

GRATING

7.360 LBS PER SQ FT	116.17	855.04

TOTAL WEIGHT 23909.20 LBS

LIST OF INPUT DATA -- U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

1	18,000	0,750	0,0	2	1,917	BARGE FENDER
1	18,000	0,750	0,0	2	21,458	BARGE FENDER
1	16,000	0,750	0,0	2	4,000	BARGE FENDER
1	16,000	0,750	0,0	2	2,187	BARGE FENDER
3	4,500	6,000	1,000	2	0,0	BARGE FENDER
3	2,250	3,000	0,750	4	0,0	BARGE FENDER
3	3,333	3,750	0,750	2	0,0	BARGE FENDER
3	1,333	1,333	0,750	2	0,0	BARGE FENDER
3	1,333	4,417	0,750	4	0,0	BARGE FENDER
3	2,250	1,875	0,750	2	0,0	BARGE FENDER
3	2,833	2,833	0,500	2	0,0	BARGE FENDER
3	1,380	1,380	0,750	4	0,0	BARGE FENDER

MATERIAL LISTING PROGRAM

CREST OFFSHORE, INC.

TULSA, OKLAHOMA

CREATED IN APRIL 1974
MODIFIED FEB 1975

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
18.000 O.D. X 0.750 WT	2	21.46	42.92	5935.4
18.000 O.D. X 0.750 WT	2	1.92	3.83	530.3
16.000 O.D. X 0.750 WT	2	4.00	8.00	978.1
16.000 O.D. X 0.750 WT	2	2.19	4.37	534.8

TOTAL WEIGHT OF PIPE MEMBERS = 7978.6

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

PLATE

NOMINAL DIMENSION (FT X FT X IN)	QUANTITY	TOTAL AREA (SQ. FT)	TOTAL WEIGHT (POUNDS)
4.50 X 6.00 X 1.000	2	54.00	2205.0
3.33 X 3.75 X 0.750	2	25.00	765.5
2.25 X 3.00 X 0.750	4	27.00	826.9
1.33 X 4.42 X 0.750	4	23.55	721.3
2.25 X 1.88 X 0.750	2	8.44	258.4
1.38 X 1.38 X 0.750	4	7.62	233.3
1.33 X 1.33 X 0.750	2	3.55	108.8
2.83 X 2.83 X 0.500	2	16.05	327.7

TOTAL WEIGHT OF PLATES = 5446.9

TOTAL WEIGHT = 13425.5

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORMS BARGE FENDERS 27-771-01 BILL OF MATERIALS & WEIGHT

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)
PIPE		
18.000 O.D. X 0.750 WT	46.75	6465.68
16.000 O.D. X 0.750 WT	12.37	1512.95
PLATE		
1.000 THICKNESS	54.00	2205.00
0.750 THICKNESS	95.16	2914.21
0.500 THICKNESS	16.05	327.72

TOTAL WEIGHT 13425.55 LBS

LIST OF INPUT DATA -- U.S. NAVY ACMR PLATFORM JACKET PILING SITE 1 27-771-01 BILL OF MATERIALS

1	42,000	2,000	0,0	3	10,000	PILE SECTION
1	42,000	2,000	0,0	3	15,000	PILE SECTION
1	42,000	2,000	0,0	3	52,000	PILE SECTION
1	42,000	2,000	0,0	3	52,000	PILE SECTION
1	42,000	2,000	0,0	3	22,000	PILE SECTION
1	42,000	1,750	0,0	3	30,000	PILE SECTION
1	42,000	1,750	0,0	3	12,000	PILE SECTION
1	42,000	1,500	0,0	3	133,000	PILE SECTION
1	42,000	2,000	0,0	3	2,000	PILE SECTION
1	39,750	0,625	0,0	9	8,000	PILE SPLICE POINT
1	38,250	0,625	0,0	3	8,000	PILE SPLICE POINT

MATERIAL LISTING PROGRAM

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*******************************************************     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                 CREST OFFSHORE, INC.                *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                   TULSA, OKLAHOMA                   *     CCCCCCCCCC               EEEEEEEEE
*                                                     *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
*               CREATED IN APRIL 1974                 *     CCCCCCCCCC               EEEEEEEEE
*                MODIFIED FEB 1975                    *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
*                                                     *     CCCCCCCCCCCCCCCCCCCCCCCC EEEEEEEEEEEEEEEEEEEEEEEE
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U.S.NAVY ACMR PLATFORM JACKET PILING SITE 1 27-771-01 BILL OF MATERIALS

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 1 27-771-01 BILL OF MATERIALS

PIPE

NOMINAL DIMENSION (IN X IN)	QUANTITY	MEMBER LENGTH (FT)	TOTAL LENGTH (FT)	TOTAL WEIGHT (POUNDS)
42.000 O.D. X 2.000 WT	6	52.00	312.00	246825.4
42.000 O.D. X 2.000 WT	3	22.00	66.00	56443.9
42.000 O.D. X 2.000 WT	3	15.00	45.00	38484.5
42.000 O.D. X 2.000 WT	3	10.00	30.00	25656.3
42.000 O.D. X 2.000 WT	3	2.00	6.00	5131.3
42.000 O.D. X 1.750 WT	3	30.00	90.00	67768.7
42.000 O.D. X 1.750 WT	3	12.00	36.00	27107.5
42.000 O.D. X 1.500 WT	3	133.00	399.00	259120.6
39.750 O.D. X 0.625 WT	9	8.00	72.00	18821.3
38.250 O.D. X 0.625 WT	3	8.00	24.00	6033.2

TOTAL WEIGHT OF PIPE MEMBERS = 771392.3

TOTAL WEIGHT = 771392.3

BILL OF MATERIALS SUMMARY

U.S.NAVY ACMR PLATFORM JACKET PILING SITE 1 27-771-01 BILL OF MATERIALS

NOMINAL DIMENSION	TOTAL LENGTH (FEET)	TOTAL WEIGHT (POUND)	
PIPE			
42.000 O.D. X 2.000 WT	459.00	392541.13	855
42.000 O.D. X 1.750 WT	126.00	94876.13	
42.000 O.D. X 1.500 WT	399.00	259120.63	649
39.750 O.D. X 0.625 WT	72.00	18821.29	
38.250 O.D. X 0.625 WT	24.00	6033.24	

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TOTAL WEIGHT 771392.31 LBS

END

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